

INTERIM RESULTS REPORT

FOR THE CAMP EDWARDS IMPACT AREA GROUNDWATER QUALITY STUDY

MASSACHUSETTS MILITARY RESERVATION CAPE COD, MASSACHUSETTS

Prepared for

**NATIONAL GUARD BUREAU
ARLINGTON, VIRGINIA**

Prepared by

**OGDEN ENVIRONMENTAL AND ENERGY SERVICES
239 Littleton Road, Suite 1B
Westford, Massachusetts 01886**

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DISCLAIMER:

This document has been prepared pursuant to a government administrative order (U.S. EPA Region I SDWA Docket No. I-97-1019) and is subject to approval by the U.S. Environmental Protection Agency. The opinions, findings, and conclusions expressed are those of the authors and not necessarily those of the Environmental Protection Agency.

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1.0 Introduction

1.1 Purpose

The purpose of this Interim Results Report is to summarize progress and remaining activities for the Impact Area Groundwater Study (IAGS). This report was prepared based on validated data for approximately 30% of the samples described in the Final Action Plan (ETA, 1997) and subsequent addenda (i.e., Field Sampling Plans).

1.2 Project History

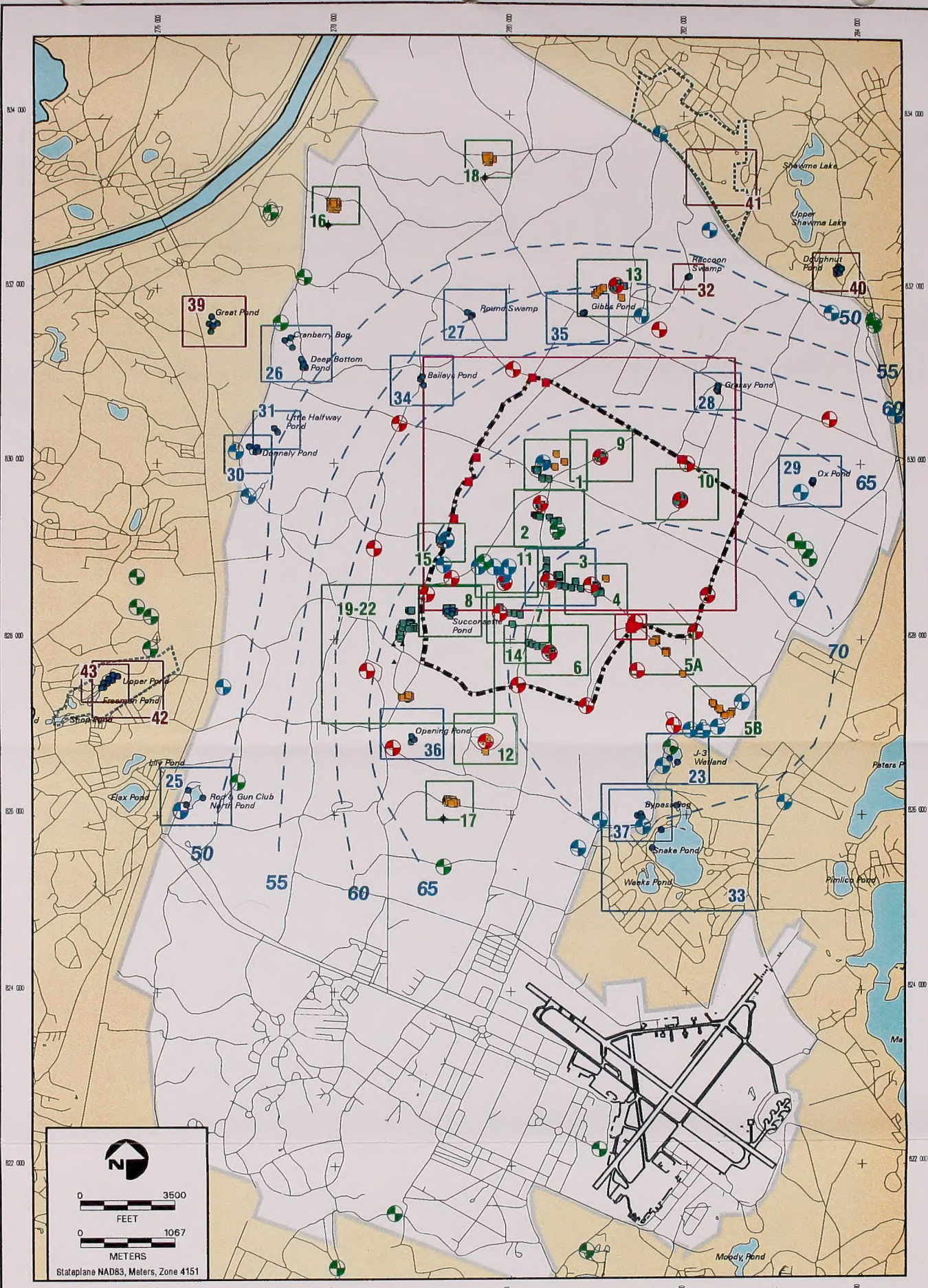
This subsection provides a brief project history summarized from the Monthly Progress Reports. The locations of sampling areas and monitoring wells referenced below are provided in Figures 1.2.1 and 1.2.2, respectively.

March 1997

The effective date of the Environmental Protection Agency (EPA) Region I Administrative Order SDWA I-97-1019 ("the Order") is March 6, 1997. The National Guard Bureau (NGB) met with EPA, Massachusetts Department of Environmental Protection (MADEP), and stakeholders on March 7 to discuss comments on the "Draft Action Plan for the Camp Edwards Impact Area Groundwater Quality Study" dated December 1996, and to offer an approach to revising the plan. On March 14 NGB provided EPA and the public an accelerated schedule and work plan ("Draft Action Plan for the Camp Edwards Impact Area Groundwater Quality Study" dated March 1997). NGB presented information regarding the revised Draft Action Plan at the Senior Management Board (SMB) meeting of March 18, and introduced a panel of experts to answer questions regarding the plan. NGB also presented information regarding the revised Draft Action Plan at the EPA's public hearing on March 20.

April 1997

NGB requested a technical proposal from Ogden Environmental and Energy services (Ogden) for performing the IAGS on April 4. Ogden met with the Air Force Center for Environmental Excellence (AFCEE) personnel on April 9 to discuss issues related to coordinating the IAGS with the Installation restoration program (IRP) activities. Ogden prepared bid specifications for subcontractor activities based on the Draft Action Plan, and submitted these to prospective bidders during the period of April 3 to April 7. A site walk with prospective bidders was conducted on April 9. Ogden received bids for performing Unexploded Ordnance (UXO) surveys, drilling services, and laboratory



LEGEND						

OGDEN

MMR Sampling Sites

FIGURE 1.2.1

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services during the period of April 11 to April 16. NGB received EPA's comments on the Draft Action Plan on April 22. Ogden submitted a draft technical proposal for performing the activities described in the Draft Action Plan to NGB on April 25.

May 1997

NGB discussed the comments of EPA and other stakeholders at a May 1 meeting at EPA's Boston office. EPA, MADEP, Cape Cod Commission, and United States Geological Survey (USGS) attended this meeting. NGB awarded a contract to Ogden to perform surveys for UXO and to complete other mobilization tasks on May 8. EPA provided additional comments on the Draft Action Plan in a letter to NGB dated May 8. NGB completed a Draft Final Action Plan for EPA and other stakeholders on May 17, including a response to comments on the March version of the plan. A meeting of the IAGS Review Team was convened on May 20. NGB conducted a tour of the Impact Area for the EPA and the public on May 22. NGB met with EPA at their Boston office on May 29 to discuss the sampling plans and archive search activities. NGB submitted a Draft Response Matrix to EPA on May 30.

June 1997

Archive search interviews and file searches were initiated in June. Preliminary versions of the Range Use History and Chemical Composition of Munitions reports were provided to EPA on June 18. Meetings were held in June to discuss comments on the Draft Final Action Plan, including a meeting with the Review Team on June 9, and meetings with EPA, MADEP, and other stakeholders on June 18 and June 26 at MADEP's Southeast Region Office. Significant changes to the plan were discussed including additional analysis and modified sampling protocols for surface and shallow subsurface soils, additional monitoring wells and modification of monitoring well and well nest positions, and addition of VOC screening in the saturated zone. Weekly progress updates for the IAGS were initiated on June 13.

Ogden, CMS Environmental (the UXO contractor), and T.F. Moran (the UXO contractor's surveyor) mobilized to the site on June 9. Survey control points were located on June 10-13. UXO avoidance was conducted from June 10 to June 24. During this time it became apparent that too many magnetic anomalies were present for effective avoidance in most areas. Ogden's contract with CMS Environmental was modified and on June 25 field crews switched to UXO removal to a depth of two feet for most areas. Immovable UXO was identified to the 102nd Fighter Wing Explosive Ordnance Disposal (EOD) detachment for detonation in place. A synoptic round of water level measurements at existing wells was conducted on June 27.

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July 1997

The text of the Final Action Plan was provided to EPA, MADEP, and other stakeholders during a meeting of the Review Team on July 10. The meeting was preceded by a tour of the Impact Area, Moving Target Range, NBC Site, and J-3 Range. Four of the Field Sampling Plans (FSPs) that are referenced in the Action Plan were also provided at this meeting. The Draft Response Matrix was updated to reflect the most recent changes to the Final Action Plan, and was provided at the July 10 meeting. NGB submitted the Draft Human Health Risk Assessment Work Plan to EPA for review on July 11. NGB received comments from EPA concerning the Draft FSPs on July 15. NGB submitted the Draft Range Use History Report and the Draft Chemical Composition of Munitions Report to EPA for review on July 16. NGB submitted Final FSPs for Barber Rig and Rotosonic Rig drilling investigations on July 18. There was a public Open House to introduce NGB contractors for the Impact Area Groundwater Study on July 24, 1997. Weekly technical meetings with EPA and MADEP continued during the month.

UXO surface clearance activities continued along roads and at drilling locations in the Impact Area, and downhole UXO clearance was completed at seven sites. D.L. Maher (the drilling subcontractor) and Valeri Construction (Maher's road building subcontractor) mobilized to the site on July 14. TRC (EPA's oversight contractor) and the USGS were present for oversight of drilling activities. Three shallow wells and one deep well were completed in July. UXO present at Spruce Swamp Road, Pocasset-Sandwich Road, and drilling locations MW-1, MW-6, and MW-27 were destroyed by the 102nd Fighter Wing EOD detachment on July 25. Continuous water level recording devices were installed in three wells. Soil sampling was performed at borings 7, 14, 23, 28, and 29 during the month. Groundwater profiling was performed at deep boring 23.

August 1997

NGB submitted final FSPs for Areas 2 and 3 on August 6, for Areas 1 and 6/7/8 on August 11, for Area 4 on August 15, and for Areas 9/10/11/14 on August 19. EPA convened a meeting of the Review Team on August 6 to obtain comments on the Draft Response Matrix and the Draft Risk Assessment Work Plan. NGB provided an update on the IAGS results at the August 6 meeting of the SMB. NGB provided the Draft Report on Fate and Transport of Munitions to EPA on August 15. Weekly technical meetings with EPA and MADEP continued during the month.

UXO surveys and removal continued during the month. Surface clearance was completed at all drilling locations, and downhole clearance was completed at most of the locations. Seven shallow wells and three deep wells were completed in August. Soil sampling was performed at borings 1, 4, 10, 11, 12, 15, 16, and 17 during the month. Groundwater profiling was performed at deep borings 1, 7, 10, 17, and 18. Surface samples were

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collected from the 0-6 inch depth interval at borings 2, 3, 5, 6, 8, 9, 15, 16, 19, 25, 26, and 27.

September 1997

NGB submitted a Final FSP for Areas 6/7/8 and 9/10/11/14, and Draft FSPs for Areas 12/13, 15, Background, Groundwater, and the Gun & Mortar positions, during September. EPA convened a meeting of the Review Team on September 29 to discuss progress on the project. Weekly technical meetings with EPA and MADEP continued during the month.

The UXO Contractor continued work on site during the first week of September, demobilizing from the site on September 5. The UXO discovered since July were destroyed on September 12. Eight shallow wells, one intermediate well, and four deep wells were completed in September. Soil sampling was performed at borings 6, 9, 15, 20, 22, and 25 during the month. Groundwater profiling was performed at deep borings 1, 6, 9, 15, 18, 21, and 25. Hand auger samples were collected from the 0-6 inch depth interval from Areas 2, 3, 9, 10, and 14.

October 1997

NGB submitted a Draft FSP for Area 5, and Final FSPs for Areas 1, 4, 15, Background, and Groundwater, during October. EPA convened a meeting of the Review Team on October 23 to discuss progress on the project. Weekly technical meetings with EPA and MADEP continued during the month.

A synoptic round of water level measurements was collected on October 3. CMS Environmental remobilized to the site on October 14. Downhole UXO clearance was performed at three drilling locations. Five shallow wells, four intermediate wells, and two deep wells were completed during the month. Soil sampling was performed at borings 2, 8, 16, 27, and 30 during the month. Groundwater profiling was performed at deep borings 2 and 16. Hand auger samples were collected from the 0-6 inch depth interval from Areas 3, 4, 6, 7, 8, 11, 13, 15, 20, 21, and 22. Groundwater samples were collected from wells 1S, 1M, 1D, 8S, 9S, 15S, 15D, 18S, 18D, 21S, 21D, 23S, 23D, 25S, LRWS wells, Bourne wells, and CS-19 wells during October. Explosives were detected in groundwater samples from monitoring wells 1S, 1M, 25S, and CS19 wells MW0011E, MW0006E, and MW0009E.

November 1997

NGB submitted Draft FSPs for Storm Water and for Surface Water and Sediment, and a Final FSP for Areas 12/13 during the month. EPA convened a November 20 meeting of

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the Review Team to discuss progress on the project. Weekly technical meetings with EPA and MADEP continued during the month.

Two shallow wells, four intermediate wells, and two deep wells were completed in November. Soil sampling and groundwater profiling were performed at borings 5 and 13 during the month. Hand auger samples were collected from the 18-24 inch depth interval from Areas 1, 2, 3, 9, 10, 14, and 41. Groundwater samples were collected from wells 2D, 4S, 6S, 10S, 10D, 11S, 12S, 14S, 16S, 16D, 17S, 17D, 20S, 23M1, 23M2, 23M3, 24S, 28S, and 29S during November. No new groundwater samples had explosives detected.

December 1997

No new FSPs were completed during the month. EPA convened a December 16 meeting of the Review Team to discuss progress on the project. Weekly technical meetings with EPA and MADEP continued during the month.

UXO surveys were completed at the remaining soil sampling grids, storm water sampling locations; and at two pits excavated within Area 5 (J-1 Range). Approximately 500 rounds were removed from one of the pits. Downhole UXO clearance was performed at two locations, and one intermediate well was completed during the month. Soil sampling was performed at background locations at the Four Ponds Conservation Area in Bourne. A synoptic round of water level measurements was collected on December 30 at wells in and around the Impact Area.

January 1998

NGB completed Final FSPs for Area 5 and Surface Water/Sediment during January. EPA convened a January 28 meeting of the Review Team to discuss progress on the project. Weekly technical meetings with EPA and MADEP continued during this time.

One shallow well and two intermediate wells were completed during January. Soil sampling was performed on 10-foot intervals at borings 3 and 26. Hand auger samples were collected at 18-24 inches below ground surface (bgs) at these and several other soil borings; at 0-6 inches bgs at Areas 1, 4, 5, 12, 13, 16, 17, 18, and 20; and at 18-24 inches bgs at Areas 4 and 6. Surface water and sediment samples were collected from Areas 8, 23, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, and 43. Groundwater samples were collected from background monitoring wells and from wells 1M1, 2M1, 2M2, 7M1, 13S, 13D, and 18M1.

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1.3 Current Status

All final FSPs have been provided to EPA and MADEP as of mid-February. The groundwater FSP requires change pages as a result of additional monitoring wells and several other FSPs may require minor changes due to revised sampling locations agreed to with EPA and MADEP. Documents that have not yet been finalized include:

- The archive search reports on Range Use, Chemical Composition, and Fate and Transport. These draft reports were submitted in July and August 1997. NGB awaits comments from EPA on these documents. MADEP has offered comments on all three documents.
- The Response Matrix. This document was last updated in July 1997. Comments regarding timing of notification remain to be resolved.

The scope of investigations under the IAGS has expanded significantly since the Final Action Plan (ETA, 1997) was prepared in July 1997. The number of wells to be installed has increased from 52 to 60. The number of wells to be sampled has increased from 81 to 107, as of mid-February. The soil sampling areas have generally remained as originally envisioned, with adjustments to the numbers of samples based on sizes of the focal areas. The number of pond, swamp, and drainage swale sampling areas has increased from 15 to 18.

Fifty-four of the sixty proposed monitoring wells have been installed as of mid-February. Sampling completed as of mid-February includes:

- 99% of 0-6 inch deep soil (Additional excavation needs to be performed to recover buried munitions from the existing pit in Area 5. NGB is discussing disposal options for these munitions with EPA and the stakeholders. Completion of this excavation is needed in order to collect soil samples from around, under, and within the pit.);
- 60% of 18-24 inch deep soil;
- 100% of 10-foot and deeper soil;
- 100% of surface water;
- 100% of sediment;
- 90% of groundwater; and
- 0% of storm water.

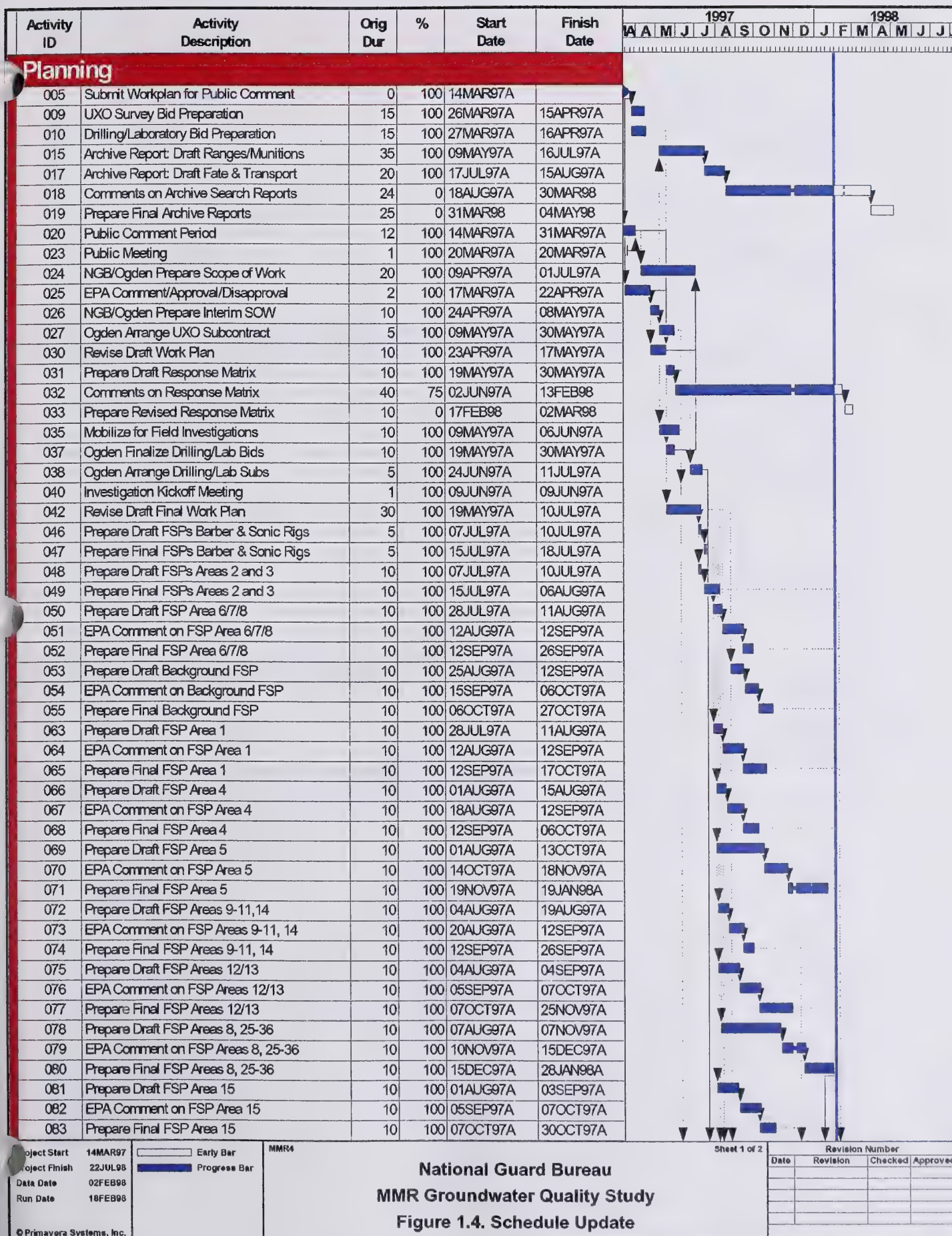
Section 3.0 summarizes validated data as of January 30, which is for Sample Data Groups (SDGs) 1-17, 28, 29, and 30. Samples in these SDGs were collected from July 22 to September 12 (SDGs 1-17) and from October 21 to October 29 (SDGs 28-30).

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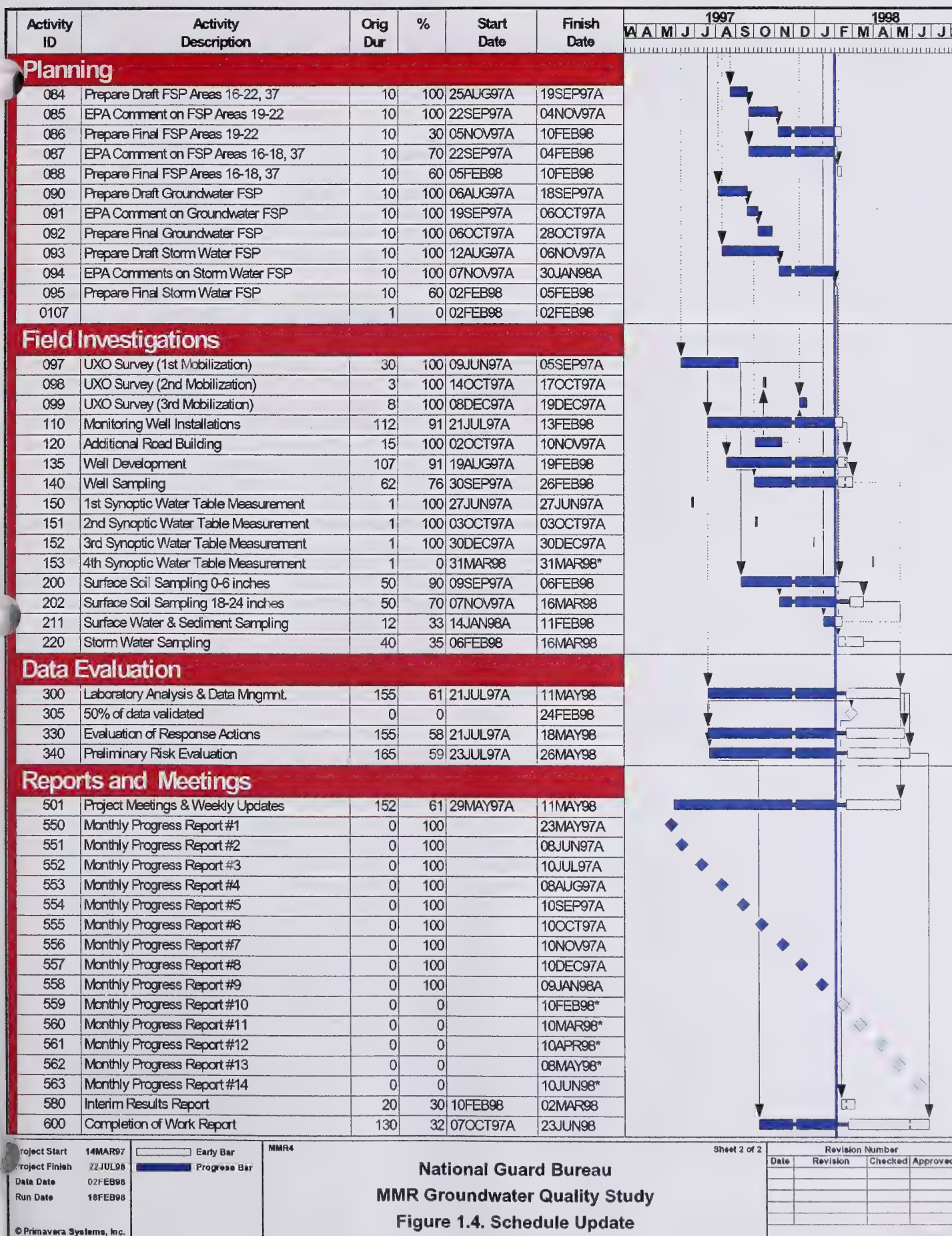
1.4 Schedule for Remaining Activities

A Gantt chart schedule for the project is provided in Figure 1.4. This schedule is updated with each monthly progress report in order to reflect progress on the schedule, and estimated time to complete remaining activities. Remaining field activities currently include monitoring well installation, development, and sampling (six wells); surface soil sampling (3 grids and 2 grab samples for 0-6 inch, and 68 grids for 18-24 inch); and storm water sampling. Collecting the 18-24 inch samples is in the critical path for the field activities. This task will be completed when the results of all 0-6 inch samples are available, since these results are used to identify analytes for the 0-6 inch samples.

Laboratory analyses and data management are expected to continue for about 8 weeks after the conclusion of field sampling. Evaluation of response actions based on risk screening is expected to continue for about 2 weeks after the conclusion of laboratory analyses. The Completion of Work Report is expected to be complete approximately 6 weeks after the conclusion of laboratory analyses.



National Guard Bureau
MMR Groundwater Quality Study
Figure 1.4. Schedule Update



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2. Procedures

2.1 Changes from the Final Action Plan

Procedures in the Final Action Plan (ETA, 1997) were followed, except as indicated below.

2.1.1 Soil Boring Installation/Groundwater Profiling

The Final Action Plan (§4.2.2.2 & §4.2.2.3) states that the Barber drill rig was to be used inside the Impact Area and the Sonic drill rig was to be used outside the Impact Area. To increase production the Sonic rig was used in the Impact Area for drilling below 100 feet, based on the results of vibration testing on both types of drill rigs.

The Final Action Plan (§4.2.2.2 & §4.2.2.3) requires that groundwater samples are collected every 10 feet below the water table during the advancement of the borings. In some locations the formation would not produce sufficient water to allow a water sample to be collected. The missing intervals are as follows:

MW-1	172, 242, 302, and 312 feet
MW-10	160, 175, 215, 225, 235, 245, 255, 265, 335, 355, and 363 feet
MW-16	222, 232, 242, 252, 302, 312, 322, 362, and 368 feet
MW-17	302 and 312 feet
MW-18	302 and 312 feet
MW-21	236, 286, 317, 326, 346, 355, and 366 feet
MW-23	283, 303, and 313 feet

2.1.2 Monitoring Well Construction

At two locations (MW-1 and MW-23) a triple well nest was installed in one boring. To accomplish this the shallowest screen had to be constructed of 2-inch diameter schedule 40 PVC instead of the 2.5-inch schedule 80 PVC specified in the Final Action Plan (§4.5), because there was insufficient room inside the drill casing to fit three wells constructed of schedule 80 PVC.

The Final Action Plan (§4.5) states that formation collapse would be used to fill the annulus above the bentonite seal. During the construction of most monitoring wells, the formation collapse did not occur all the way to the ground surface. Clean sand was used to fill any voids in the annulus. A composite laboratory sample was collected from the clean sand to insure that it was free of contamination.

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The Final Action Plan (§4.5) states that the well will be developed after a minimum of seven days. The Massachusetts Military Reservation (MMR) Standard Operating Procedure for well development requires that the well be developed a minimum of 24 hours after and a maximum of seven days after installation. In order to optimize the time spent in the development process, the maximum time for development after installation was changed to several weeks.

The Final Action Plan (§4.5) states that well development will be considered complete when the field parameters of pH, specific conductance, temperature, and turbidity stabilize within ten percent for three consecutive readings. Because of the high turbidity readings on some wells, the development process has continued beyond when the field parameters have stabilized. Generally the development time has continued until the turbidity has dropped below 30 nephelometric turbidity units (NTU), unless judged infeasible based on field conditions.

2.1.3 Decontamination Process

The Final Action Plan (§5.1) states that groundwater sampling pumps will be decontaminated by circulating a Liquinox™ solution, followed by a deionized water rinse. Because of the difficulty of disassembling the bladder pumps, the inside of the bladder pump is not rinsed with Liquinox™. Instead the inside of the pumps are decontaminated by flushing the inside of the pump with approximately four gallons of deionized water. When groundwater sampling was initiated, rinsate blanks were collected at each well sampled. Results of the rinsate blank samples indicated that the decontamination process was adequate.

2.2 Quality Assurance Audits of Field Procedures

The following are findings of the three internal field audits performed by Ogden personnel. The three audits occurred on August 4-8, 1997, September 15-18, 1997, and October 20-23, 1997.

- 55-gallon drum of personal protection equipment (PPE) was not labeled and the drum ring was not properly secured.
- No consistent procedure in effect for the tracking and documentation of deviations from the field procedures.
- A section of well screen which was not factory sealed in a bag was about to be installed in the boring without being decontaminated.
- Groundwater samples for volatile organic compounds (VOCs) were being collected from the pump discharge hose at a location where exhaust for the pump's generator could cause cross-contamination.

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- Groundwater sampling containers for VOCs and explosives were not labeled on site at the time of sampling. Unlabeled sampling containers were filled, placed in a zip-lock bag and placed in the sampling cooler.
- The Sonic drilling crew added Super Gel Extra High Yield Bentonite to drilling water to better maintain hole integrity in unstable sands. Product label information on the bag did not indicate additives other than bentonite. Information from the manufacturer indicates that it contains partially hydrolyzed sodium poly-acrylate additive. Drill personnel indicated that they have used previously in drilling at MMR.
- Groundwater screening volatile organic analyte (VOA) vials contained air bubbles.
- 2-inch diameter poly-vinyl chloride (PVC) pipe used to tremie bentonite chips down the borehole was not decontaminated prior to use.
- During well construction some good house keeping practices were not being used. Dirty work gloves or bare hands were observed when feeding sand or bentonite chips down the borehole. Electrical tape used to hold weight on tag line. Tag line was allowed to touch the ground before it was rolled up.
- The hand auger used to collect the composite samples was not decontaminated prior to collecting the discrete VOC sample.
- No exclusion zone set up during groundwater sampling activity along a road traveled by subcontractors and military personnel.

All the above conditions that were observed during the field quality assurance (QA) audit were corrected immediately if possible. For those conditions that were not immediately corrected, a plan was put in place to correct them as soon as possible.

2.3 Quality Assurance Audits of Laboratory Procedures

On July 28-29, 1997, Ogden personnel conducted a systems audit of the Intertek Testing Services, Burlington, Vermont Facility to assure adherence to laboratory and project specific quality assurance/quality control procedures. Upon conclusion of the audit, an audit report was published which documented the nonconformance and findings identified during the audit. Included in the observations were inadequate quality assurance/quality control (QA/QC) procedures with the Cold Regions Research and Engineering Laboratory (CRREL) screening method. An another observation was the potential for cross contamination during the use of the CRREL screening method. The lack of a comprehensive system for reagent tracking, lack of statistically derived control charts, and the lack of consistent criteria for acceptance of analytical quantitation and quality control standards were other observations.

During the audit, the laboratory altered practices in the CRREL lab to ensure adherence to QA/QC standards. Subsequent to the audit, the laboratory instituted practices to reduce the potential for cross contamination during the CRREL screen, implemented a

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comprehensive tracking system for reagents, produced statistically derived control charts for EPA SW-846 methods, and began development of a procedure to assess quantitation and quality control standards in a more timely and consistent manner throughout the laboratory.

Upon reviewing the first 30 sample data groups (SDGs) of analytical data for the project, the following are common QA/QC trends:

Herbicides (method 8151):

- Calibration deficiencies with MCPP and MCPA.
- Intermittent calibration deficiencies with acifluorfen, dinoseb, picloram, chloramben, dalapon, acifluorfen and pentachlorophenol.
- Poor recovery of dinoseb, acifluorfen and pentachlorophenol in soils and poor recovery of picloram and chloramben in waters.

GC Volatiles (Method 8121):

- Poor surrogate recovery of surrogates in the soil matrix. The lightweight nature of the site soil matrix has been suspected in decreasing purge efficiencies of the method.

Explosives (Method 8330):

- Coelution of multiple target compounds on confirmation column increasing the probability for false positives.
- Poor recovery of picric acid in water.
- Calibration deficiencies with pentaerythritol tetranitrate (PETN).

Pesticide/poly-chlorinated biphenyls (PCBs) (Methods OLM03.1/OLC02.1):

- Intermittent hexachlorocyclohexane (BHC) contamination of method blanks and/or site samples. The laboratory identified samples from another site which contained percent levels of BHCs that caused contamination in the laboratory; however, measures taken to isolate those samples have not proven to be as effective as desired.

Semivolatiles (Methods OLM03.1/OLC02.1):

- Consistent calibration deficiencies for hexachlorocyclopentadiene
- Occasional calibration deficiencies for carbazole and 3,3' dichlorobenzidine.
- Laboratory contamination of method blanks and site samples with bis (2-ethylhexyl) phthalate.

Volatiles (Methods OLM03.1/OLC02.1):

- Acetone contamination of method blanks and site samples. Potential source of contamination was eliminated which has reduced the occurrence of acetone

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contamination. Acetone relative response factor (RRF) in water calibration continues to cause rejection of nondetects for acetone in water samples.

Wet Chemistry (various methods):

- Calibration deficiencies for phosphate, CRREL and ammonia.
- Field contamination of total organic carbon (TOC) samples.

These findings have been used to qualify the data in accordance with EPA guidelines, as specified in the Final Action Plan (ETA, 1997). Validation qualifiers are provided in the summary tables in Section 3, and in the complete tables of validated data in Appendix A.

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3. Summary of Validated Data

3.1 Validation Status

Validated data as of January 30, 1998 are provided in tables in Appendix A. The data are grouped by media and by analytical method in these tables. The results in Appendix A include the following numbers of samples:

- 68 hand auger samples covering grids in areas 2, 3, 6, 7, 8, 11, 13, 15 (all 0-6 inch depth), comprising about 32% of the 0-6 inch samples and 16% of all hand auger samples;
- 179 groundwater profiling samples covering borings 1, 2, 7, 10, 15, 17, 18, 21, and 23, comprising about 55% of all profiling samples;
- 187 soil boring samples covering borings 1-17, 19, 23, and 25-30 (although many borings only have results validated for 0-6 inch samples), comprising about 50% of all soil boring samples; and
- 7 groundwater samples, from MW-9S, MW-18D, MW-21S, MW-23S, MW-23D, LRWS-3-1, and Schooner Pass, comprising about 7% of all groundwater samples.

The following sections present a subset of the data, separated by media and, for soil samples, by sampling area. In order to create a manageable subset of data for discussion, the following were selected:

- all detections of volatile organic compounds; semi-volatile organic compounds; pesticides, herbicides and PCBs; and explosives; and
- all detections of metals in excess of background concentrations specified in the MMR Risk Assessment Handbook

With regard to the metals, it is important to note that EPA is requiring sampling and analysis for the purpose of establishing background concentrations within IAGS. This study is ongoing. Because many metals were detected near the specified background concentration, the use of a new background data set in the future might result in a subset that varies somewhat from that presented here. Differences in derived background may cause inclusion of some samples that were eliminated from the present subset, or vice versa.

All frequencies of detection in the following sections include duplicate samples. Therefore, the actual numbers of locations where the compounds were detected may be slightly lower than indicated.

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3.2 Soil Samples

3.2.1 Summary for All Areas

Explosive compounds were detected in several surface soil (0-6") samples from Demo Area 1 and from Areas 6, 7, and 11. Compounds detected and their frequency include 2,4-dinitrotoluene (2,4-DNT) (1x), 2,6-dinitrotoluene (2,6-DNT) (1x), 2-nitrotoluene (2-NT) (2x), 2-amino-4,6-dinitrotoluene (2A-4,6-DNT) (2x), 4-amino-2,6-dinitrotoluene (4A-2,6-DNT) (2x), hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) (3x), pentaerythritol tetranitrate (PETN) (3x), Picric Acid (PA) (2x), and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetraocine (HMX) (2x). HMX was detected at one location at a depth of 10-12 feet below ground surface (bgs). Explosive compounds have not been detected in soil deeper than 12 feet bgs. No 2,4,6-trinitrotoluene (TNT) has been detected. Detections using the explosives screening method that was developed by CRREL, and their relationship with confirmatory samples analyzed using EPA Method 8330, will be discussed in the Completion of Work Report.

The VOCs detected in soil, listed in decreasing frequency of occurrence, include trichloroethylene (TCE) (12x), acetone (6x), methylene chloride (6x), toluene (5x), chloroform (5x), methyl tert-butyl ether (MTBE) (4x), methyl ethyl ketone (2-Butanone) (3x), benzene (2x), chlorobenzene (2x), 1,1-dichloroethene (1,1-DCE) (2x), 1,2-dibromomethane (EDB) (1x), and tetrachloroethene (PCE) (1x). Note that acetone, methylene chloride, and 2-Butanone are common laboratory solvents, and some occurrence of these compounds may result from cross-contamination. Chloroform is typically found in treated (chlorinated) water and some occurrence of this compound may be the result of decontamination of field equipment. All of the detects of TCE and PCE were from surface soil (0-6 inch).

The semi-volatile organic compounds (SVOCs) detected in soil generally belong to two classes of compounds: polycyclic aromatic hydrocarbons (PAHs) and phthalates. The PAHs include: benzo (a) anthracene (7x), benzo (a) pyrene (5x), benzo (b) fluoranthene (8x), benzo (g,h,i,) perylene (5x), benzo (k) fluoranthene (6x), chrysene (11x), dibenzo (a,h) anthracene (2x), fluoranthene (12x), indeno (1,2,3-c,d) pyrene (5x), phenanthrene (4x), and pyrene (15x). The phthalates include bis (2-ethylhexyl) phthalate (33x), diethyl phthalate (7x), and di-n-butyl phthalate (7x). The phthalate compounds are used in plastics as a plasticizer, and some occurrences may represent cross-contamination through the use of laboratory or field equipment containing plasticizers. Laboratory contamination of blank samples was reported with the compound bis (2-ethylhexyl) phthalate. Other SVOCs detected included 1,2,4-trichlorobenzene (1x), N-nitrosodiphenylamine (2x), and pentachlorophenol (1x).

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The most common pesticides detected in soil were 1,1-bis (chlorophenyl)-2,2-dichloroethylene (4,4'-DDE) (29x) and 1,1-bis (chlorophenyl)-2,2,2-trichloroethane (4,4'-DDT) (37x). Other pesticides detected were alpha-hexachlorocyclohexane (alpha-BHC) (6x), beta-hexachlorocyclohexane (beta-BHC) (2x), delta-hexachlorocyclohexane (delta-BHC) (3x), gamma-hexachlorocyclohexane (Lindane) (2x), hexachlorobenzene (2x), heptachlor epoxide (2x), alpha endosulfan (3x), dieldrin (2x), alpha-chlordane (1x), and gamma-chlordane (1x). The herbicide detected most often in soil was MCPA (36x). Other herbicides detected include, 2,4-(dichlorophenoxy) butanoic acid (2,4-DB) (2x), 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) (4x), 3,5-dichlorobenzoic acid (2x), bentazon (4x), chloramben (2x), dicamba (1x), MCPP (2x), and picloram (2x). The majority of detects are from surface soil (0 to 6 inches). No detects of PCBs were reported.

Inorganics including metals and anions were detected in most samples. These elements naturally occur in the environment at "background" levels but also can constitute pollutants. In order to evaluate whether the source of the detections is natural, comparisons were made between the soil inorganic levels measured in this study and the background upper 95 percent tolerance limit developed by HAZWRAP (1994) for the MMR Risk Assessment Handbook (RAH). Two sets of background upper 95 percent tolerance limits have been developed by HAZWRAP (1994) for soil; one for surface soil samples (0 to 6 inches) and another for subsurface soil samples (depth greater than 2 feet). Values obtained in the current study that exceed the upper 95 percent tolerance limits are reported in the following subsections.¹ Cyanide was detected in two samples.

The following subsections present the soil sampling results by area. Figure 1.2.1 in Section 1.0 shows the positions of all of the sampling areas at MMR. Maps of individual areas are presented in this section as needed to illustrate sampling locations.

¹ It should be pointed out that the upper 95 percent tolerance limit, in many cases, falls within or below a range of values measured for the Cape Cod area. However, HAZWRAP (1994) reports upper 95 percent tolerance limits for some metals which were not detected in the study such as mercury, selenium, thallium, and cyanide for surface soils and cadmium, mercury, nickel, selenium, silver, and cyanide for subsurface soils. These upper 95 percent tolerance limits appear based on a statistical analysis of the detection limit which may not be appropriate. Until the background samples from the IAGS are validated a determination can not be made on whether a detect of metal represents contamination or natural conditions.

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3.2.2 Area 1

Area 1 is located north of Five Corners (intersection of Turpentine and Wood Roads) within the Impact Area boundary. Samples were collected from areas having the highest potential for contaminant impacts as represented by ground scars, impact craters, or topographic low points. Only one sample (S03DAA) and a duplicate (S03DAD) have been validated for this area. The samples were collected from surface soil (0-6 inches) at the location of MW-3. Detected compounds are summarized in Table 3.2.2.

No explosives, VOCs, pesticides, herbicides, or PCBs were detected in these two samples. Pentachlorophenol (an SVOC) was detected at an estimated concentration of 7.6 ug/kg (parts per billion or ppb) in the field sample, but not in its duplicate. Fifteen of the metals analyzed were detected above RAH surface soil background levels, though some were not detected in both the field sample and the duplicate. The anions nitrate/nitrite, ammonia, and phosphate were detected in both samples, and cyanide was detected in the duplicate alone.

Table 3.2.2. Detects of analytes in soil samples from Area 1.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
SVOCs					
S03DAA	0-6"	Pentachlorophenol	7.6	ug/kg	J
Metals					
S03DAA	0-6"	Aluminum	10700	mg/kg	
S03DAD	0-6"	Aluminum	11500	mg/kg	
S03DAA	0-6"	Barium	145	mg/kg	
S03DAD	0-6"	Barium	162	mg/kg	
S03DAD	0-6"	Calcium	857	mg/kg	
S03DAA	0-6"	Chromium, Total	11.5	mg/kg	
S03DAD	0-6"	Chromium, Total	12.4	mg/kg	
S03DAA	0-6"	Cobalt	4.3	mg/kg	
S03DAD	0-6"	Cobalt	4.5	mg/kg	
S03DAA	0-6"	Copper	24.3	mg/kg	
S03DAD	0-6"	Copper	27.5	mg/kg	
S03DAA	0-6"	Iron	18900	mg/kg	J
S03DAD	0-6"	Iron	19600	mg/kg	J
S03DAD	0-6"	Lead	15.7	mg/kg	J
S03DAA	0-6"	Manganese	3840	mg/kg	
S03DAD	0-6"	Manganese	3940	mg/kg	
S03DAD	0-6"	Mercury	0.08	mg/kg	J

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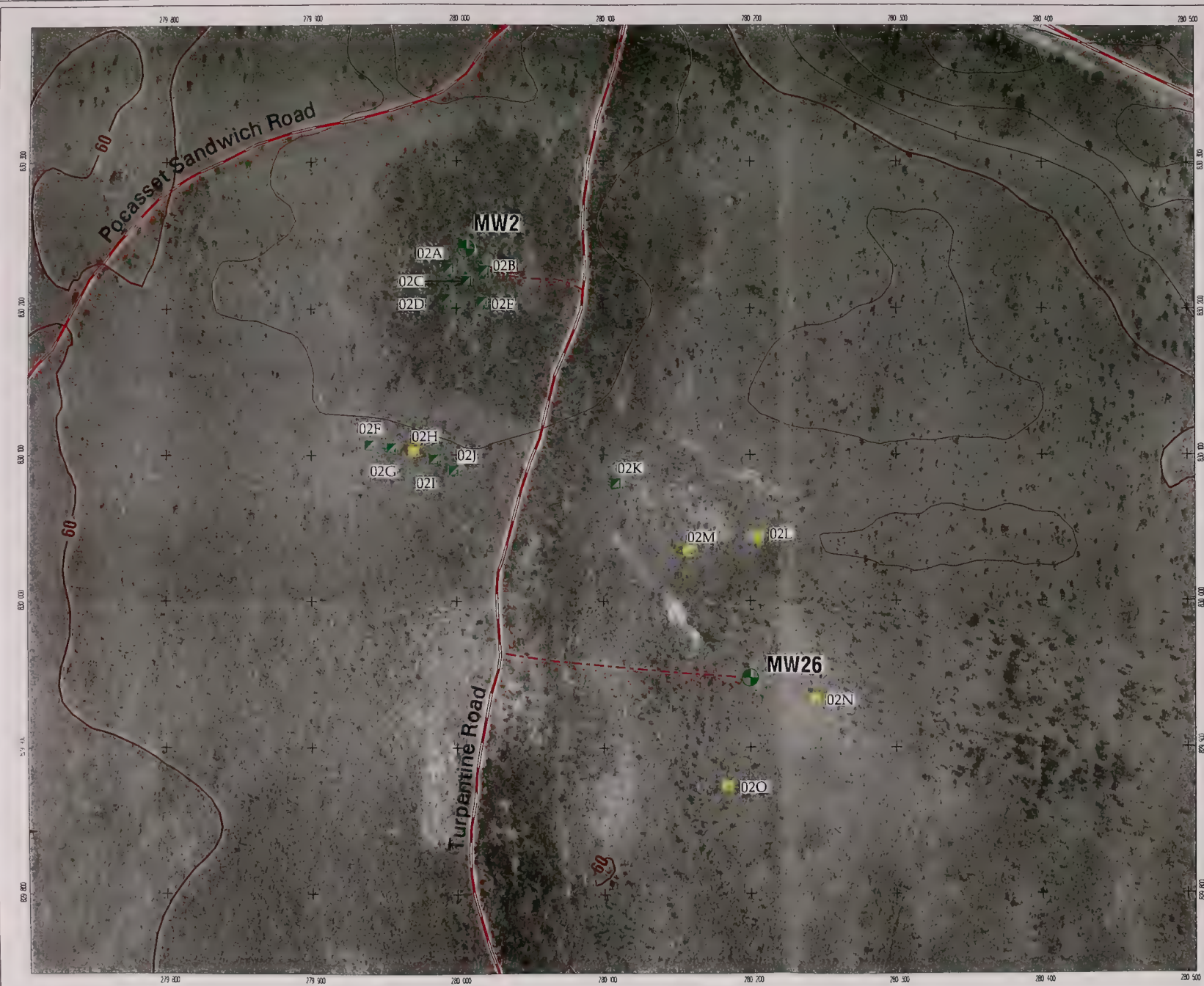
Table 3.2.2. Detects of analytes in soil samples from Area 1.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S03DAA	0-6"	Nickel	7.8	mg/kg	
S03DAD	0-6"	Nickel	8.2	mg/kg	
S03DAA	0-6"	Potassium	762	mg/kg	
S03DAD	0-6"	Potassium	983	mg/kg	
S03DAA	0-6"	Selenium	2.2	mg/kg	
S03DAD	0-6"	Selenium	2.4	mg/kg	
S03DAA	0-6"	Vanadium	20.5	mg/kg	
S03DAD	0-6"	Vanadium	23	mg/kg	
S03DAA	0-6"	Zinc	51.1	mg/kg	
S03DAD	0-6"	Zinc	58.3	mg/kg	
Anions					
S03DAA	0-6"	Nitrate/Nitrite (As N)	1.5	mg/kg	
S03DAD	0-6"	Nitrate/Nitrite (As N)	2.6	mg/kg	
S03DAA	0-6"	Nitrogen, Ammonia (As N)	30.3	mg/kg	
S03DAD	0-6"	Nitrogen, Ammonia (As N)	47	mg/kg	
S03DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	636	mg/kg	J
S03DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	694	mg/kg	J
Other					
S03DAD	0-6"	Cyanide	1.1	mg/kg	
Qualifiers:					
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					

3.2.3 Area 2

Area 2 is located south of Five Corners along Turpentine Road and within the Impact Area boundary. Area 2 has three focal areas of study: 1) the circular target area west of Turpentine Road, 2) the burn area, and 3) the trapezoidal target area east of Turpentine Road. Validated sample results are available for surface soil (0-6 inches) at ten grids and two borings plus duplicates, for a total of 14 samples. Sample locations and validation status are indicated in Figure 3.2.3. Detections are summarized in Table 3.2.3.

Explosive compounds were not detected in Area 2. VOCs detected and their frequency included methylene chloride (1x), and TCE (2x). EDB and MTBE were each detected once, in the same sample. All of the VOCs detected, except for MTBE, were estimated values. SVOCs detected and their frequency included chrysene (1x), bis (2-ethylhexyl) phthalate (3x), diethyl phthalate (2x), di-n-butyl phthalate (1x), fluoranthene (1x), and



**Impact Area
Groundwater
Study**

LEGEND

- Soil Borings with Validated Data
- Soil Borings without Validated Data
- Soil Grids with Validated Data
- Soil Grids without Validated Data

BASEMAP LEGEND

- Impact Area Boundary
- Water Bodies
- Roads
- Paths
- Power/Transmission Lines
- 3 Meter Contours

LOCATION MAP

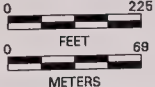


NOTES & SOURCES

Map coordinates: Stateplane, NAD83, Zone 4151, Meters
ORTHOPHOTOGRAPHY: 1:5000 digital black & white orthophotos
Source: MAESGIS; Resolution: 1/2 meter; Date Flown: March 1997
TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
Source: MAESGIS

TITLE

Sample Area 2



DATE	REV	REV'D BY	INT.	CHG'D	INT.	APPR.	INT.
02/11/98							

FIGURE
3.2.3

Interim Results Report

pyrene (3x). All SVOC values reported were estimated. The pesticides/herbicides detected and their frequency include; 4,4'-DDE (10x), 4,4'-DDT (12x), MCPA (1x), and picloram (1x). The compound 4,4'-DDE is a degradation product of 4,4'-DDT. No PCBs were detected. Thirteen of the metals analyzed were detected above RAH surface soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all fourteen samples. Cyanide was not detected in the Area 2 samples.

Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
VOCs					
B02JAA	0-6"	1,2-Dibromoethane (Ethylene Dibromide, EDB)	190	ug/kg	J
S02DAA	0-6"	Methylene Chloride	2	ug/kg	J
B02JAA	0-6"	Methyl Tert-Butyl Ether (MTBE)	190	ug/kg	
B02IAA	0-6"	Trichloroethylene (TCE)	4	ug/kg	J
S02DAA	0-6"	Trichloroethylene (TCE)	7	ug/kg	J
SVOCs					
B02AAA	0-6"	Bis(2-Ethylhexyl) Phthalate	77	ug/kg	J
B02EAA	0-6"	Bis(2-Ethylhexyl) Phthalate	37	ug/kg	J
B02IAA	0-6"	Bis(2-Ethylhexyl) Phthalate	48	ug/kg	J
B02FAA	0-6"	Chrysene	24	ug/kg	J
S26DAA	0-6"	Diethyl Phthalate	19	ug/kg	J
S26DAD	0-6"	Diethyl Phthalate	22	ug/kg	J
B02AAA	0-6"	Di-N-Butyl Phthalate	34	ug/kg	J
B02FAA	0-6"	Fluoranthene	38	ug/kg	J
B02BAA	0-6"	Pyrene	29	ug/kg	J
B02DAA	0-6"	Pyrene	22	ug/kg	J
B02FAA	0-6"	Pyrene	26	ug/kg	J
Pesticides/Herbicides					
B02AAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	14	ug/kg	
B02BAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	12	ug/kg	
B02CAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	9.3	ug/kg	
B02DAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	12	ug/kg	
B02EAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	5.9	ug/kg	
B02FAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	7.4	ug/kg	
B02GAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	3	ug/kg	J
B02KAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.6	ug/kg	J
S02DAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	14	ug/kg	
S02DAD	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	12	ug/kg	
B02AAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	19	ug/kg	
B02BAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	16	ug/kg	

Interim Results Report

Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B02CAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	17	ug/kg	
B02DAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	22	ug/kg	
B02EAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	12	ug/kg	
B02FAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	7.7	ug/kg	
B02GAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	6.1	ug/kg	J
B02IAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	4.3	ug/kg	J
B02KAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	3	ug/kg	J
S02DAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	21	ug/kg	
S02DAD	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	19	ug/kg	
S26DAD	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.1	ug/kg	J
B02CAA	0-6"	MCPA	5600	ug/kg	J
B02GAA	0-6"	Picloram	6.3	ug/kg	NJ
Metals					
B02AAA	0-6"	Aluminum	16200	mg/kg	
B02BAA	0-6"	Aluminum	14900	mg/kg	
B02CAA	0-6"	Aluminum	15400	mg/kg	
B02DAA	0-6"	Aluminum	18500	mg/kg	
B02EAA	0-6"	Aluminum	12400	mg/kg	
B02FAA	0-6"	Aluminum	11600	mg/kg	
B02GAA	0-6"	Aluminum	13900	mg/kg	
B02IAA	0-6"	Aluminum	14500	mg/kg	
B02JAA	0-6"	Aluminum	15100	mg/kg	
B02KAA	0-6"	Aluminum	9480	mg/kg	
S02DAA	0-6"	Aluminum	10200	mg/kg	
S02DAD	0-6"	Aluminum	10700	mg/kg	
B02AAA	0-6"	Arsenic	5.5	mg/kg	
B02BAA	0-6"	Arsenic	5.2	mg/kg	
B02CAA	0-6"	Arsenic	5	mg/kg	
B02DAA	0-6"	Arsenic	5.8	mg/kg	
B02EAA	0-6"	Arsenic	4.2	mg/kg	
B02FAA	0-6"	Arsenic	4.2	mg/kg	
B02GAA	0-6"	Arsenic	4.8	mg/kg	
B02IAA	0-6"	Arsenic	5.2	mg/kg	
B02JAA	0-6"	Arsenic	4.6	mg/kg	
B02AAA	0-6"	Barium	22.3	mg/kg	
B02BAA	0-6"	Barium	47.1	mg/kg	
B02CAA	0-6"	Barium	33.4	mg/kg	
B02DAA	0-6"	Barium	22.5	mg/kg	
B02FAA	0-6"	Barium	20.2	mg/kg	

Interim Results Report

Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B02GAA	0-6"	Barium	17.8	mg/kg	
S02DAA	0-6"	Barium	19.5	mg/kg	
S02DAD	0-6"	Barium	19.3	mg/kg	
B02AAA	0-6"	Chromium, Total	17.7	mg/kg	
B02BAA	0-6"	Chromium, Total	16.6	mg/kg	
B02CAA	0-6"	Chromium, Total	17.9	mg/kg	
B02DAA	0-6"	Chromium, Total	20.1	mg/kg	
B02EAA	0-6"	Chromium, Total	14.1	mg/kg	
B02FAA	0-6"	Chromium, Total	11.7	mg/kg	
B02GAA	0-6"	Chromium, Total	15.2	mg/kg	
B02IAA	0-6"	Chromium, Total	15.2	mg/kg	
B02JAA	0-6"	Chromium, Total	14.9	mg/kg	
B02KAA	0-6"	Chromium, Total	9.5	mg/kg	
S02DAA	0-6"	Chromium, Total	12.9	mg/kg	
S02DAD	0-6"	Chromium, Total	12.4	mg/kg	
S26DAA	0-6"	Chromium, Total	7	mg/kg	
B02AAA	0-6"	Cobalt	4.2	mg/kg	
B02BAA	0-6"	Cobalt	4.1	mg/kg	
B02CAA	0-6"	Cobalt	4.3	mg/kg	
B02DAA	0-6"	Cobalt	4.4	mg/kg	
B02AAA	0-6"	Copper	34.5	mg/kg	
B02BAA	0-6"	Copper	17.1	mg/kg	J
B02CAA	0-6"	Copper	25.3	mg/kg	J
B02DAA	0-6"	Copper	24.9	mg/kg	J
B02EAA	0-6"	Copper	29	mg/kg	J
B02FAA	0-6"	Copper	37.1	mg/kg	J
B02GAA	0-6"	Copper	35.5	mg/kg	J
B02IAA	0-6"	Copper	20.6	mg/kg	J
B02JAA	0-6"	Copper	17.9	mg/kg	J
B02KAA	0-6"	Copper	33.1	mg/kg	J
S02DAA	0-6"	Copper	32.4	mg/kg	
S02DAD	0-6"	Copper	30.2	mg/kg	
S26DAA	0-6"	Copper	19.6	mg/kg	
S26DAD	0-6"	Copper	23.7	mg/kg	
B02AAA	0-6"	Iron	17200	mg/kg	
B02BAA	0-6"	Iron	15700	mg/kg	
B02CAA	0-6"	Iron	17100	mg/kg	
B02DAA	0-6"	Iron	18500	mg/kg	
B02EAA	0-6"	Iron	15400	mg/kg	

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Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B02FAA	0-6"	Iron	13600	mg/kg	
B02GAA	0-6"	Iron	15800	mg/kg	
B02IAA	0-6"	Iron	15400	mg/kg	
B02JAA	0-6"	Iron	14900	mg/kg	
S02DAA	0-6"	Iron	20100	mg/kg	J
S02DAD	0-6"	Iron	14000	mg/kg	J
B02AAA	0-6"	Lead	17.3	mg/kg	
B02DAA	0-6"	Lead	16.7	mg/kg	
B02FAA	0-6"	Lead	48.3	mg/kg	
B02GAA	0-6"	Lead	28.7	mg/kg	
B02IAA	0-6"	Lead	31.4	mg/kg	
B02JAA	0-6"	Lead	17.9	mg/kg	
B02KAA	0-6"	Lead	29.5	mg/kg	
B02AAA	0-6"	Magnesium	1870	mg/kg	
B02BAA	0-6"	Magnesium	1780	mg/kg	
B02CAA	0-6"	Magnesium	1820	mg/kg	
B02DAA	0-6"	Magnesium	1920	mg/kg	
B02EAA	0-6"	Magnesium	1510	mg/kg	
B02GAA	0-6"	Magnesium	1080	mg/kg	
B02IAA	0-6"	Magnesium	1290	mg/kg	
B02JAA	0-6"	Magnesium	1160	mg/kg	
S02DAA	0-6"	Magnesium	1180	mg/kg	
S02DAD	0-6"	Magnesium	1260	mg/kg	
B02AAA	0-6"	Nickel	9	mg/kg	
B02BAA	0-6"	Nickel	8.6	mg/kg	
B02CAA	0-6"	Nickel	9.3	mg/kg	
B02DAA	0-6"	Nickel	9.5	mg/kg	
B02EAA	0-6"	Nickel	7.7	mg/kg	
B02GAA	0-6"	Nickel	7.2	mg/kg	
S02DAA	0-6"	Nickel	7.6	mg/kg	
B02AAA	0-6"	Selenium	1.6	mg/kg	J
B02BAA	0-6"	Selenium	1.2	mg/kg	J
B02CAA	0-6"	Selenium	1.5	mg/kg	J
B02DAA	0-6"	Selenium	1.8	mg/kg	J
B02EAA	0-6"	Selenium	1.2	mg/kg	J
B02FAA	0-6"	Selenium	2.3	mg/kg	J
B02GAA	0-6"	Selenium	2.2	mg/kg	J
B02IAA	0-6"	Selenium	0.88	mg/kg	J
B02JAA	0-6"	Selenium	1.3	mg/kg	

Interim Results Report

Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B02KAA	0-6"	Selenium	1.3	mg/kg	
S02DAA	0-6"	Selenium	1	mg/kg	J
S26DAA	0-6"	Selenium	0.77	mg/kg	J
B02AAA	0-6"	Vanadium	26.7	mg/kg	
B02BAA	0-6"	Vanadium	23.7	mg/kg	
B02CAA	0-6"	Vanadium	27	mg/kg	
B02DAA	0-6"	Vanadium	32	mg/kg	
B02EAA	0-6"	Vanadium	24.4	mg/kg	
B02FAA	0-6"	Vanadium	29.9	mg/kg	
B02GAA	0-6"	Vanadium	32.7	mg/kg	
B02IAA	0-6"	Vanadium	28.7	mg/kg	
B02JAA	0-6"	Vanadium	27.9	mg/kg	
B02KAA	0-6"	Vanadium	22.6	mg/kg	
S02DAA	0-6"	Vanadium	19.2	mg/kg	
S02DAD	0-6"	Vanadium	21.3	mg/kg	
S26DAA	0-6"	Vanadium	19.8	mg/kg	
B02AAA	0-6"	Zinc	105	mg/kg	
B02BAA	0-6"	Zinc	250	mg/kg	
B02CAA	0-6"	Zinc	167	mg/kg	
B02DAA	0-6"	Zinc	64.9	mg/kg	
B02EAA	0-6"	Zinc	55.5	mg/kg	
B02EAA	0-6"	Zinc	55.5	mg/kg	
B02FAA	0-6"	Zinc	29.7	mg/kg	
B02GAA	0-6"	Zinc	27.2	mg/kg	
B02IAA	0-6"	Zinc	24	mg/kg	J
B02JAA	0-6"	Zinc	31.7	mg/kg	J
B02KAA	0-6"	Zinc	25.7	mg/kg	J
S02DAA	0-6"	Zinc	162	mg/kg	
S02DAD	0-6"	Zinc	173	mg/kg	
Anions					
B02AAA	0-6"	Nitrate/Nitrite (As N)	0.08	mg/kg	
B02BAA	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	J
B02CAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B02DAA	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B02EAA	0-6"	Nitrate/Nitrite (As N)	0.12	mg/kg	
B02FAA	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B02GAA	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
B02IAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B02JAA	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	J

Interim Results Report

Table 3.2.3. Detects of analytes in soil samples from Area 2.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B02KAA	0-6"	Nitrate/Nitrite (As N)	0.34	mg/kg	
S02DAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
S02DAD	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	
S26DAA	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	
S26DAD	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	
B02AAA	0-6"	Nitrogen, Ammonia (As N)	10	mg/kg	J
B02BAA	0-6"	Nitrogen, Ammonia (As N)	5.7	mg/kg	J
B02CAA	0-6"	Nitrogen, Ammonia (As N)	7.8	mg/kg	J
B02DAA	0-6"	Nitrogen, Ammonia (As N)	14.8	mg/kg	
B02EAA	0-6"	Nitrogen, Ammonia (As N)	8.5	mg/kg	J
B02FAA	0-6"	Nitrogen, Ammonia (As N)	41	mg/kg	
B02GAA	0-6"	Nitrogen, Ammonia (As N)	20.2	mg/kg	
B02IAA	0-6"	Nitrogen, Ammonia (As N)	27.9	mg/kg	
B02JAA	0-6"	Nitrogen, Ammonia (As N)	32.1	mg/kg	
B02KAA	0-6"	Nitrogen, Ammonia (As N)	28.1	mg/kg	
S02DAA	0-6"	Nitrogen, Ammonia (As N)	11	mg/kg	J
S02DAD	0-6"	Nitrogen, Ammonia (As N)	11.8	mg/kg	J
S26DAA	0-6"	Nitrogen, Ammonia (As N)	21.4	mg/kg	
S26DAD	0-6"	Nitrogen, Ammonia (As N)	15.6	mg/kg	
B02AAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	104	mg/kg	J
B02BAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	86	mg/kg	J
B02CAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	98	mg/kg	J
B02DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	145	mg/kg	J
B02EAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	91	mg/kg	J
B02FAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	150	mg/kg	J
B02GAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	150	mg/kg	J
B02IAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
B02JAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	130	mg/kg	J
B02KAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	101	mg/kg	J
S02DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	116	mg/kg	J
S02DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	114	mg/kg	J
S26DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	142	mg/kg	J
S26DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	146	mg/kg	J

Qualifiers:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

Interim Results Report

3.2.4 Area 3

Area 3 is located near the intersection of Turpentine Road and Tank Alley within the Impact Area boundary. Sampling was focused on this area due to a historic circular target area, tank targets arranged along the roads, and a pit. Validated sample results are available for surface soil (0-6 inches bgs) at 14 grids and one boring plus 3 duplicates, for a total of 17 surface soil samples. Validated sample results are also available for subsurface soil up to 120 feet bgs at the boring location. The subsurface soil samples were analyzed for inorganics and, with the exceptions of the 20-foot and 50-foot intervals, for explosives. The 10-foot interval was also analyzed for VOC, SVOC, pesticides/PCB, herbicides, EDB, and MTBE. Sample locations and validation status are indicated in Figure 3.2.4. Detections are summarized in Table 3.2.4.

No explosives were detected in surface or subsurface samples from Area 3.

Surface soil samples contained VOC, SVOC, pesticides, herbicides, and inorganic compounds. The only VOC detected was TCE, which was observed in two samples at estimated concentrations. The SVOCs detected and their frequency include; benzo (a) anthracene (4x), benzo (a) pyrene (3x), benzo (b) fluoranthene (4x), benzo (g,h,i,) perylene (3x), benzo (k) fluoranthene (4x), bis (2-ethylhexyl) phthalate (3x), chrysene (4x), dibenzo (a,h) anthracene (2x), diethyl phthalate (1x), di-n-butyl phthalate (1x), fluoranthene (4x), indeno (1,2,3-c,d) pyrene (3x), and pyrene (4x). All but two detections were at estimated concentrations. The pesticides/herbicides detected and frequency include; 2,4,5-T (2x), alpha-BHC (4x), alpha endosulfan (1x), bentazon (1x), beta-BHC (1x), chloramben (1x), 4,4'-DDE (5x), 4,4'-DDT (7x), delta-BHC (1x), dicamba (1x), Lindane (1x), and MCPA (10x). Fifteen of the metals analyzed were detected above RAH surface soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was detected in one sample.

The only organic compounds detected in the one subsurface soil sample analyzed for these compounds were bis (2-ethylhexyl) phthalate, diethylphthalate, and di-n-butyl phthalate. Fourteen of the metals analyzed were detected above RAH subsurface soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all subsurface soil samples. Cyanide was not detected in subsurface soil.

The following information is provided for your reference:

1. The first section of the document discusses the importance of maintaining accurate records.

2. The second section outlines the procedures for handling confidential information.

3. The third section details the requirements for data security and access control.

4. The fourth section describes the process for conducting regular audits and reviews.

5. The fifth section provides information on the roles and responsibilities of the staff involved.

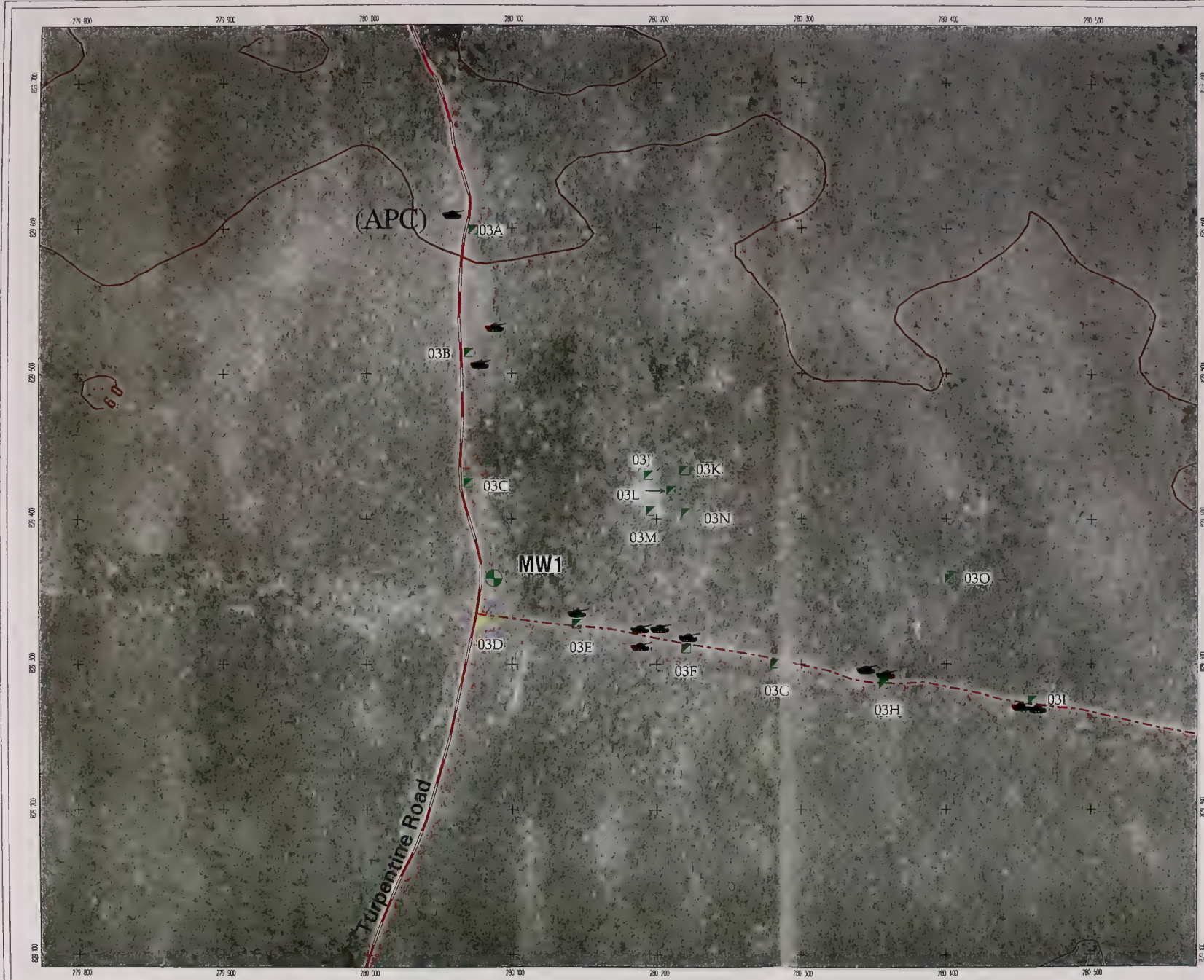
6. The sixth section discusses the importance of ongoing training and development.

7. The seventh section outlines the process for addressing complaints and concerns.

8. The eighth section provides information on the contact details for the relevant departments.

9. The ninth section discusses the importance of maintaining a safe and secure environment.

10. The tenth section outlines the process for handling emergencies and incidents.



Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
VOCs					
B03IAA	0-6"	Trichloroethylene (TCE)	1	ug/kg	J
B03OAA	0-6"	Trichloroethylene (TCE)	4	ug/kg	J
SVOCs					
B03EAA	0-6"	Benzo(a)Anthracene	54	ug/kg	J
B03FAA	0-6"	Benzo(a)Anthracene	88	ug/kg	J
B03FAD	0-6"	Benzo(a)Anthracene	260	ug/kg	J
S01DAD	0-6"	Benzo(a)Anthracene	47	ug/kg	J
B03EAA	0-6"	Benzo(a)Pyrene	55	ug/kg	J
B03FAA	0-6"	Benzo(a)Pyrene	78	ug/kg	J
B03FAD	0-6"	Benzo(a)Pyrene	180	ug/kg	J
B03EAA	0-6"	Benzo(b)Fluoranthene	140	ug/kg	J
B03FAA	0-6"	Benzo(b)Fluoranthene	180	ug/kg	J
B03FAD	0-6"	Benzo(b)Fluoranthene	340	ug/kg	J
S01DAD	0-6"	Benzo(b)Fluoranthene	66	ug/kg	J
B03EAA	0-6"	Benzo(g,h,i)Perylene	31	ug/kg	J
B03FAA	0-6"	Benzo(g,h,i)Perylene	39	ug/kg	J
B03FAD	0-6"	Benzo(g,h,i)Perylene	76	ug/kg	J
B03EAA	0-6"	Benzo(k)Fluoranthene	110	ug/kg	J
B03FAA	0-6"	Benzo(k)Fluoranthene	130	ug/kg	J
B03FAD	0-6"	Benzo(k)Fluoranthene	290	ug/kg	J
S01DAD	0-6"	Benzo(k)Fluoranthene	65	ug/kg	J
B03FAD	0-6"	Bis(2-Ethylhexyl) Phthalate	560	ug/kg	
B03OAD	0-6"	Bis(2-Ethylhexyl) Phthalate	52	ug/kg	J
S01DAD	0-6"	Bis(2-Ethylhexyl) Phthalate	31	ug/kg	J
S01DCA	10-14'	Bis(2-Ethylhexyl) Phthalate	29	ug/kg	J
B03EAA	0-6"	Chrysene	140	ug/kg	J
B03FAA	0-6"	Chrysene	190	ug/kg	J
B03FAD	0-6"	Chrysene	370	ug/kg	J
S01DAD	0-6"	Chrysene	89	ug/kg	J
B03FAA	0-6"	Dibenzo (a,h) Anthracene	23	ug/kg	J
B03FAD	0-6"	Dibenzo (a,h) Anthracene	46	ug/kg	J
S01DAA	0-6"	Diethyl Phthalate	27	ug/kg	J
S01DCA	10-14'	Diethyl Phthalate	26	ug/kg	J
B03KAA	0-6"	Di-n-Butyl Phthalate	22	ug/kg	J
S01DCA	10-14'	Di-n-Butyl Phthalate	21	ug/kg	J
B03EAA	0-6"	Fluoranthene	58	ug/kg	J

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03FAA	0-6"	Fluoranthene	92	ug/kg	J
B03FAD	0-6"	Fluoranthene	400	ug/kg	
S01DAD	0-6"	Fluoranthene	61	ug/kg	J
B03EAA	0-6"	Indeno(1,2,3-c,d)Pyrene	35	ug/kg	J
B03FAA	0-6"	Indeno(1,2,3-c,d)Pyrene	47	ug/kg	J
B03FAD	0-6"	Indeno(1,2,3-c,d)Pyrene	89	ug/kg	J
B03EAA	0-6"	Pyrene	52	ug/kg	J
B03FAA	0-6"	Pyrene	81	ug/kg	J
B03FAD	0-6"	Pyrene	270	ug/kg	J
S01DAD	0-6"	Pyrene	53	ug/kg	J
Pesticides/Herbicides					
B03JAA	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	6.8	ug/kg	NJ
B03MAA	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	17	ug/kg	NJ
B03KAA	0-6"	Alpha BHC (Alpha Hexachlorocyclohexane)	1.7	ug/kg	J
B03LAA	0-6"	Alpha BHC (Alpha Hexachlorocyclohexane)	2.6	ug/kg	
B03MAA	0-6"	Alpha BHC (Alpha Hexachlorocyclohexane)	4	ug/kg	
B03NAA	0-6"	Alpha BHC (Alpha Hexachlorocyclohexane)	5.5	ug/kg	
B03FAD	0-6"	Alpha Endosulfan	3.1	ug/kg	J
B03AAA	0-6"	Bentazon	360	ug/kg	NJ
B03MAA	0-6"	Beta BHC (Beta Hexachlorocyclohexane)	1.1	ug/kg	J
B03MAA	0-6"	Chloramben	66	ug/kg	NJ
B03LAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.8	ug/kg	J
B03MAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	8.6	ug/kg	
B03NAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	8.4	ug/kg	
B03OAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	3.3	ug/kg	J
B03OAD	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	5.6	ug/kg	J
B03AAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.5	ug/kg	J
B03KAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	5.3	ug/kg	
B03LAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	6.9	ug/kg	
B03MAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	8.9	ug/kg	
B03NAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	21	ug/kg	
B03OAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	6.1	ug/kg	
B03OAD	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	9.4	ug/kg	J
B03NAA	0-6"	Delta BHC (Delta Hexachlorocyclohexane)	1.3	ug/kg	J
B03GAA	0-6"	Dicamba	11	ug/kg	NJ
B03NAA	0-6"	Gamma BHC (Lindane)	2.1	ug/kg	
B03AAA	0-6"	MCPA	7000	ug/kg	NJ
B03FAA	0-6"	MCPA	12000	ug/kg	NJ
B03FAD	0-6"	MCPA	13000	ug/kg	NJ

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Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03HAA	0-6"	MCPA	9200	ug/kg	NJ
B03JAA	0-6"	MCPA	12000	ug/kg	NJ
B03KAA	0-6"	MCPA	8900	ug/kg	NJ
B03MAA	0-6"	MCPA	9900	ug/kg	NJ
B03NAA	0-6"	MCPA	9600	ug/kg	NJ
B03OAA	0-6"	MCPA	11000	ug/kg	J
B03OAD	0-6"	MCPA	11000	ug/kg	J
Metals					
B03AAA	0-6"	Aluminum	21900	mg/kg	
B03BAA	0-6"	Aluminum	14100	mg/kg	
B03CAA	0-6"	Aluminum	12100	mg/kg	
B03EAA	0-6"	Aluminum	14900	mg/kg	
B03FAA	0-6"	Aluminum	11400	mg/kg	
B03FAD	0-6"	Aluminum	11900	mg/kg	
B03GAA	0-6"	Aluminum	13500	mg/kg	
B03HAA	0-6"	Aluminum	9120	mg/kg	
B03IAA	0-6"	Aluminum	13100	mg/kg	
B03JAA	0-6"	Aluminum	7870	mg/kg	
B03KAA	0-6"	Aluminum	13300	mg/kg	
B03LAA	0-6"	Aluminum	15100	mg/kg	
B03MAA	0-6"	Aluminum	7200	mg/kg	
B03NAA	0-6"	Aluminum	16600	mg/kg	
B03OAA	0-6"	Aluminum	10400	mg/kg	
B03OAD	0-6"	Aluminum	9030	mg/kg	
S01DAA	0-6"	Aluminum	7180	mg/kg	
S01DAD	0-6"	Aluminum	6810	mg/kg	
S01DCA	10-14'	Aluminum	3440	mg/kg	
S01DDA	20-22'	Aluminum	2760	mg/kg	
S01DIA	70-72'	Aluminum	1910	mg/kg	
B03AAA	0-6"	Arsenic	5.3	mg/kg	
B03BAA	0-6"	Arsenic	4.6	mg/kg	
B03CAA	0-6"	Arsenic	4.3	mg/kg	
B03EAA	0-6"	Arsenic	4.7	mg/kg	
B03FAD	0-6"	Arsenic	4.2	mg/kg	
B03GAA	0-6"	Arsenic	4.4	mg/kg	
B03IAA	0-6"	Arsenic	4.5	mg/kg	J
B03KAA	0-6"	Arsenic	4.2	mg/kg	
B03LAA	0-6"	Arsenic	6.1	mg/kg	
B03NAA	0-6"	Arsenic	4.7	mg/kg	

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Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03AAA	0-6"	Barium	17.1	mg/kg	
B03LAA	0-6"	Barium	17	mg/kg	
S01DAA	0-6"	Barium	9.2	mg/kg	
S01DCA	10-14'	Barium	13.2	mg/kg	
S01DDA	20-22'	Barium	15.9	mg/kg	
S01DFA	40-42'	Barium	9	mg/kg	
B03AAA	0-6"	Chromium, Total	16.9	mg/kg	
B03BAA	0-6"	Chromium, Total	16.9	mg/kg	
B03CAA	0-6"	Chromium, Total	13.4	mg/kg	
B03EAA	0-6"	Chromium, Total	16.3	mg/kg	
B03FAA	0-6"	Chromium, Total	12.7	mg/kg	
B03FAD	0-6"	Chromium, Total	13.4	mg/kg	
B03GAA	0-6"	Chromium, Total	15.6	mg/kg	
B03HAA	0-6"	Chromium, Total	9.5	mg/kg	
B03IAA	0-6"	Chromium, Total	17.2	mg/kg	
B03JAA	0-6"	Chromium, Total	8.6	mg/kg	
B03KAA	0-6"	Chromium, Total	15	mg/kg	
B03LAA	0-6"	Chromium, Total	17.4	mg/kg	
B03MAA	0-6"	Chromium, Total	8.4	mg/kg	
B03NAA	0-6"	Chromium, Total	17.4	mg/kg	
B03OAA	0-6"	Chromium, Total	11.7	mg/kg	
B03OAD	0-6"	Chromium, Total	10.3	mg/kg	
S01DAA	0-6"	Chromium, Total	6.9	mg/kg	
S01DAD	0-6"	Chromium, Total	6.8	mg/kg	
S01DCA	10-14'	Chromium, Total	14.4	mg/kg	
S01DDA	20-22'	Chromium, Total	5	mg/kg	
S01DHA	60-64'	Chromium, Total	3.8	mg/kg	
B03GAA	0-6"	Cobalt	4.1	mg/kg	
B03LAA	0-6"	Cobalt	4.3	mg/kg	
B03OAA	0-6"	Cobalt	4.1	mg/kg	
S01DCA	10-14'	Cobalt	3.1	mg/kg	
S01DDA	20-22'	Cobalt	2.4	mg/kg	
B03AAA	0-6"	Copper	405	mg/kg	
B03BAA	0-6"	Copper	33.3	mg/kg	J
B03CAA	0-6"	Copper	20	mg/kg	J
B03EAA	0-6"	Copper	17.5	mg/kg	J
B03FAA	0-6"	Copper	43.5	mg/kg	J
B03FAD	0-6"	Copper	42.4	mg/kg	J
B03GAA	0-6"	Copper	11.3	mg/kg	J

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03HAA	0-6"	Copper	21.4	mg/kg	J
B03IAA	0-6"	Copper	30.9	mg/kg	J
B03JAA	0-6"	Copper	31.4	mg/kg	J
B03KAA	0-6"	Copper	21.3	mg/kg	J
B03LAA	0-6"	Copper	29.2	mg/kg	J
B03MAA	0-6"	Copper	141	mg/kg	
B03NAA	0-6"	Copper	26.5	mg/kg	J
B03OAA	0-6"	Copper	27.8	mg/kg	J
B03OAD	0-6"	Copper	36.1	mg/kg	J
S01DAA	0-6"	Copper	11.2	mg/kg	
S01DAD	0-6"	Copper	8.1	mg/kg	
S01DCA	10-14'	Copper	4.9	mg/kg	
S01DDA	20-22'	Copper	3.9	mg/kg	
S01DIA	70-72'	Copper	5.9	mg/kg	
B03AAA	0-6"	Iron	16000	mg/kg	
B03BAA	0-6"	Iron	17700	mg/kg	
B03CAA	0-6"	Iron	13000	mg/kg	
B03EAA	0-6"	Iron	15400	mg/kg	
B03FAA	0-6"	Iron	15000	mg/kg	
B03FAD	0-6"	Iron	13400	mg/kg	
B03GAA	0-6"	Iron	13600	mg/kg	
B03IAA	0-6"	Iron	15900	mg/kg	
B03KAA	0-6"	Iron	14600	mg/kg	
B03LAA	0-6"	Iron	15900	mg/kg	
B03NAA	0-6"	Iron	16800	mg/kg	
B03OAA	0-6"	Iron	13000	mg/kg	
S01DAA	0-6"	Iron	9620	mg/kg	J
S01DAD	0-6"	Iron	10200	mg/kg	J
S01DCA	10-14'	Iron	7120	mg/kg	J
S01DDA	20-22'	Iron	5400	mg/kg	
S01DHA	60-64'	Iron	3560	mg/kg	
S01DIA	70-72'	Iron	4220	mg/kg	
B03AAA	0-6"	Lead	62.3	mg/kg	
B03BAA	0-6"	Lead	41	mg/kg	
B03CAA	0-6"	Lead	33	mg/kg	
B03JAA	0-6"	Lead	14.3	mg/kg	
B03MAA	0-6"	Lead	24.8	mg/kg	
B03NAA	0-6"	Lead	14.4	mg/kg	
S01DAA	0-6"	Lead	10.8	mg/kg	J

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S01DAD	0-6"	Lead	7	mg/kg	J
S01DCA	10-14'	Lead	3.8	mg/kg	J
S01DDA	20-22'	Lead	6.8	mg/kg	
B03AAA	0-6"	Magnesium	1560	mg/kg	
B03BAA	0-6"	Magnesium	1650	mg/kg	
B03CAA	0-6"	Magnesium	1240	mg/kg	
B03EAA	0-6"	Magnesium	1650	mg/kg	
B03FAA	0-6"	Magnesium	1140	mg/kg	
B03FAD	0-6"	Magnesium	1010	mg/kg	
B03GAA	0-6"	Magnesium	1680	mg/kg	
B03IAA	0-6"	Magnesium	1270	mg/kg	
B03KAA	0-6"	Magnesium	1520	mg/kg	
B03LAA	0-6"	Magnesium	1970	mg/kg	
B03NAA	0-6"	Magnesium	1420	mg/kg	
B03OAA	0-6"	Magnesium	1190	mg/kg	
S01DAA	0-6"	Magnesium	668	mg/kg	
S01DCA	10-14'	Magnesium	1790	mg/kg	
S01DDA	20-22'	Magnesium	1510	mg/kg	
S01DHA	60-64'	Magnesium	578	mg/kg	
S01DIA	70-72'	Magnesium	803	mg/kg	
B03OAA	0-6"	Manganese	107	mg/kg	
S01DAD	0-6"	Mercury	0.16	mg/kg	J
S01DDA	20-22'	Mercury	0.67	mg/kg	
S01DFA	40-42'	Mercury	0.07	mg/kg	J
S01DHA	60-64'	Mercury	0.06	mg/kg	J
S01DIA	70-72'	Mercury	6.4	mg/kg	
B03AAA	0-6"	Nickel	8.1	mg/kg	J
B03BAA	0-6"	Nickel	11.9	mg/kg	
B03EAA	0-6"	Nickel	8	mg/kg	
B03GAA	0-6"	Nickel	7.7	mg/kg	J
B03IAA	0-6"	Nickel	7.7	mg/kg	J
B03KAA	0-6"	Nickel	7.3	mg/kg	J
B03LAA	0-6"	Nickel	9.2	mg/kg	J
B03NAA	0-6"	Nickel	7.8	mg/kg	J
S01DCA	10-14'	Nickel	5.7	mg/kg	
S01DCA	10-14'	Potassium	751	mg/kg	
S01DDA	20-22'	Potassium	1030	mg/kg	
B03AAA	0-6"	Selenium	1.6	mg/kg	J
B03BAA	0-6"	Selenium	1.3	mg/kg	J

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03CAA	0-6"	Selenium	1	mg/kg	
B03EAA	0-6"	Selenium	1.6	mg/kg	J
B03FAA	0-6"	Selenium	1.2	mg/kg	J
B03FAD	0-6"	Selenium	1.6	mg/kg	J
B03GAA	0-6"	Selenium	1.2	mg/kg	
B03JAA	0-6"	Selenium	1.3	mg/kg	J
B03KAA	0-6"	Selenium	1.9	mg/kg	J
B03LAA	0-6"	Selenium	1.5	mg/kg	J
B03MAA	0-6"	Selenium	1.1	mg/kg	J
B03NAA	0-6"	Selenium	1.7	mg/kg	J
B03OAA	0-6"	Selenium	1.2	mg/kg	J
S01DAD	0-6"	Selenium	0.8	mg/kg	J
S01DIA	70-72'	Selenium	0.52	mg/kg	J
S01DKA	90-92'	Selenium	0.57	mg/kg	J
B03AAA	0-6"	Vanadium	25.9	mg/kg	
B03BAA	0-6"	Vanadium	25.1	mg/kg	
B03CAA	0-6"	Vanadium	21.7	mg/kg	
B03EAA	0-6"	Vanadium	23	mg/kg	
B03FAA	0-6"	Vanadium	19.6	mg/kg	
B03FAD	0-6"	Vanadium	20.8	mg/kg	
B03GAA	0-6"	Vanadium	21.9	mg/kg	
B03HAA	0-6"	Vanadium	18.9	mg/kg	J
B03IAA	0-6"	Vanadium	25.5	mg/kg	J
B03KAA	0-6"	Vanadium	22.9	mg/kg	
B03LAA	0-6"	Vanadium	25.1	mg/kg	
B03NAA	0-6"	Vanadium	26.3	mg/kg	
B03OAA	0-6"	Vanadium	23.2	mg/kg	J
B03OAD	0-6"	Vanadium	21.6	mg/kg	J
S01DAA	0-6"	Vanadium	16.4	mg/kg	
S01DAD	0-6"	Vanadium	16.8	mg/kg	
S01DCA	10-14'	Vanadium	7.6	mg/kg	
S01DDA	20-22'	Vanadium	6.4	mg/kg	
B03AAA	0-6"	Zinc	57.3	mg/kg	
B03BAA	0-6"	Zinc	63.5	mg/kg	
B03CAA	0-6"	Zinc	29.5	mg/kg	
B03EAA	0-6"	Zinc	27.3	mg/kg	
B03FAA	0-6"	Zinc	37.2	mg/kg	
B03FAD	0-6"	Zinc	36.4	mg/kg	
B03GAA	0-6"	Zinc	29.8	mg/kg	

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B03HAA	0-6"	Zinc	23.1	mg/kg	J
B03IAA	0-6"	Zinc	32.6	mg/kg	J
B03JAA	0-6"	Zinc	30.9	mg/kg	
B03KAA	0-6"	Zinc	30.5	mg/kg	
B03LAA	0-6"	Zinc	38.7	mg/kg	
B03MAA	0-6"	Zinc	176	mg/kg	
B03NAA	0-6"	Zinc	38.2	mg/kg	
B03OAA	0-6"	Zinc	32.9	mg/kg	J
B03OAD	0-6"	Zinc	27.2	mg/kg	J
S01DDA	20-22'	Zinc	18.7	mg/kg	
Anions					
B03AAA	0-6"	Nitrate/Nitrite (As N)	0.1	mg/kg	
B03BAA	0-6"	Nitrate/Nitrite (As N)	0.22	mg/kg	
B03CAA	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	
B03EAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B03FAA	0-6"	Nitrate/Nitrite (As N)	0.36	mg/kg	
B03FAD	0-6"	Nitrate/Nitrite (As N)	0.38	mg/kg	
B03GAA	0-6"	Nitrate/Nitrite (As N)	0.03	mg/kg	J
B03HAA	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	J
B03IAA	0-6"	Nitrate/Nitrite (As N)	0.01	mg/kg	J
B03JAA	0-6"	Nitrate/Nitrite (As N)	1.8	mg/kg	
B03KAA	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	
B03LAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
B03MAA	0-6"	Nitrate/Nitrite (As N)	1.1	mg/kg	
B03NAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
B03OAA	0-6"	Nitrate/Nitrite (As N)	0.03	mg/kg	J
B03OAD	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S01DAA	0-6"	Nitrate/Nitrite (As N)	0.28	mg/kg	
S01DAD	0-6"	Nitrate/Nitrite (As N)	0.21	mg/kg	
S01DCA	10-14'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S01DDA	20-22'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DEA	32-34'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DFA	40-42'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DGA	50-52'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DHA	60-64'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DIA	70-72'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DJA	80-82'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DKA	90-92'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DLA	100-104'	Nitrate/Nitrite (As N)	0.04	mg/kg	

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S01DMA	110-112'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S01DNA	120-122'	Nitrate/Nitrite (As N)	0.06	mg/kg	
B03AAA	0-6"	Nitrogen, Ammonia (As N)	8.2	mg/kg	J
B03BAA	0-6"	Nitrogen, Ammonia (As N)	7.7	mg/kg	J
B03CAA	0-6"	Nitrogen, Ammonia (As N)	15.2	mg/kg	J
B03EAA	0-6"	Nitrogen, Ammonia (As N)	5.9	mg/kg	J
B03FAA	0-6"	Nitrogen, Ammonia (As N)	9.2	mg/kg	J
B03FAD	0-6"	Nitrogen, Ammonia (As N)	7.7	mg/kg	J
B03GAA	0-6"	Nitrogen, Ammonia (As N)	5.7	mg/kg	J
B03HAA	0-6"	Nitrogen, Ammonia (As N)	4.2	mg/kg	J
B03IAA	0-6"	Nitrogen, Ammonia (As N)	4.6	mg/kg	J
B03JAA	0-6"	Nitrogen, Ammonia (As N)	16.3	mg/kg	
B03KAA	0-6"	Nitrogen, Ammonia (As N)	10.5	mg/kg	J
B03LAA	0-6"	Nitrogen, Ammonia (As N)	3.9	mg/kg	J
B03MAA	0-6"	Nitrogen, Ammonia (As N)	14.8	mg/kg	
B03NAA	0-6"	Nitrogen, Ammonia (As N)	16.8	mg/kg	
B03OAA	0-6"	Nitrogen, Ammonia (As N)	10	mg/kg	J
B03OAD	0-6"	Nitrogen, Ammonia (As N)	9.7	mg/kg	J
S01DAA	0-6"	Nitrogen, Ammonia (As N)	7.2	mg/kg	J
S01DAD	0-6"	Nitrogen, Ammonia (As N)	7.9	mg/kg	J
B03AAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	78	mg/kg	J
B03BAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	77	mg/kg	J
B03CAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	104	mg/kg	J
B03EAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	52	mg/kg	J
B03FAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	82	mg/kg	J
B03FAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	54	mg/kg	J
B03GAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	32	mg/kg	J
B03HAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	86	mg/kg	J
B03IAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	82.7	mg/kg	J
B03JAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	123	mg/kg	J
B03KAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	119	mg/kg	J
B03LAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	92	mg/kg	J
B03MAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	120	mg/kg	J
B03NAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	111	mg/kg	J
B03OAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	124	mg/kg	J
B03OAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	109	mg/kg	J
S01DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	109	mg/kg	J
S01DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	108	mg/kg	J
S01DCA	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	88	mg/kg	J

Interim Results Report

Table 3.2.4. Detects of analytes in soil samples from Area 3.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S01DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	78	mg/kg	J
S01DEA	32-34'	Phosphorus, Total Orthophosphate (As PO ₄)	67	mg/kg	J
S01DFA	40-42'	Phosphorus, Total Orthophosphate (As PO ₄)	36	mg/kg	J
S01DGA	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	38	mg/kg	J
S01DHA	60-64'	Phosphorus, Total Orthophosphate (As PO ₄)	82	mg/kg	J
S01DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	89	mg/kg	J
S01DJA	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	48	mg/kg	J
S01DKA	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	57	mg/kg	J
S01DLA	100-104'	Phosphorus, Total Orthophosphate (As PO ₄)	34	mg/kg	J
S01DMA	110-112'	Phosphorus, Total Orthophosphate (As PO ₄)	29	mg/kg	J
S01DNA	120-122'	Phosphorus, Total Orthophosphate (As PO ₄)	42	mg/kg	J
Others					
B03OAA	0-6"	Cyanide	1.8	mg/kg	
Qualifiers:					
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.					

3.2.5 Area 4

Area 4 is located on Tank Alley within the Impact Area boundary. Area 4 consists of two earthen mounds located north of Tank Alley which appear to be backstops for targets that were fired upon from the J-1 range. Validated sample results are available for only one surface soil sample and duplicate from Area 4, from the boring for MW-27. Detected compounds are summarized in Table 3.2.5. No explosives, VOCs, pesticide/herbicide compounds, or cyanide were detected in these samples. One SVOC compound, diethyl phthalate, was detected in the duplicate. The metals detected were aluminum, chromium, and selenium. The anions nitrate/nitrite, ammonia, and phosphate were detected in both samples.

Table 3.2.5. Detects of analytes in soil samples from Area 4.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
SVOCs					
S27DAD	0-6"	Diethyl Phthalate	40	ug/kg	J

Interim Results Report

Table 3.2.5. Detects of analytes in soil samples from Area 4.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
Metals					
S27DAA	0-6"	Aluminum	9780	mg/kg	
S27DAD	0-6"	Aluminum	11100	mg/kg	
S27DAA	0-6"	Chromium, Total	8.2	mg/kg	
S27DAD	0-6"	Chromium, Total	9.2	mg/kg	
S27DAA	0-6"	Selenium	0.74	mg/kg	J
S27DAD	0-6"	Selenium	0.96	mg/kg	
Anions					
S27DAA	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
S27DAD	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
S27DAA	0-6"	Nitrogen, Ammonia (As N)	11.1	mg/kg	J
S27DAD	0-6"	Nitrogen, Ammonia (As N)	11.5	mg/kg	J
S27DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	119	mg/kg	J
S27DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	115	mg/kg	J
Qualifiers:					
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					

3.2.6 Areas 6, 7, and 8

Areas 6, 7, and 8 are burn areas located within the Impact Area boundary. Areas 6 and 7 are east and west, respectively, of the southern portion of Turpentine Road. Area 8 is around Succonsette Pond. A total of 17 field and five duplicate surface soil (0-6 inch bgs) samples are validated for Areas 6, 7, and 8. Ten subsurface soil samples are also validated for these areas, at 10-100 feet bgs from the boring for MW-7. The subsurface soil samples were analyzed for inorganics, and the upper two intervals were analyzed for explosives. The 10-foot interval was also analyzed for VOC, SVOC, pesticides/PCB, herbicides, EDB, and MTBE. Sample locations and validation status are indicated in Figures 3.2.6a, b, and c for Areas 6, 7, and 8 respectively. Detections are summarized in Table 3.2.6.

Three explosive compounds were detected in surface soil samples. 2-Nitrotoluene and Picric Acid were detected in S08DAA located within Area 7, and were confirmed in the duplicate sample. PETN was detected in sample B06CAA within Area 6. No explosives were detected in the two subsurface soil samples.



Impact Area Groundwater Study

LEGEND

- Soil Borings with Validated Data
- Soil Borings without Validated Data
- Soil Grids with Validated Data
- Soil Grids without Validated Data

BASEMAP LEGEND

- Impact Area Boundary
- Water Bodies
- Roads
- Paths
- Power/Transmission Lines
- 3 Meter Contours

LOCATION MAP



NOTES & SOURCES

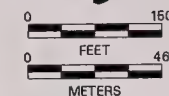
Map coordinates: Stateplane, NAD83, Zone 4151, Meters

ORTHOGRAPHY: 1:5000 digital black & white orthophotos
Source: MABGIS; Resolution: 1/2 meter; Date Flown: March 1997

TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
Source: MABGIS

TITLE

Sample Area 6



DATE	REV	DRAWN	INT.	CHG.	INT.	APP.	INT.
03/1/98							

FIGURE
3.2.6a



Impact Area Groundwater Study

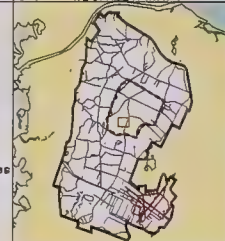
LEGEND

- Soil Borings with Validated Data
- Soil Borings without Validated Data
- Soil Grids with Validated Data
- Soil Grids without Validated Data

BASEMAP LEGEND

- Impact Area Boundary
- Water Bodies
- Roads
- Paths
- Power/Transmission Lines
- 3 Meter Contours

LOCATION MAP



NOTES & SOURCES

Map coordinates: Stateplane, NAD83, Zone 4151, Meters
 ORTHOPHOTOGRAPHY: 1:5000 digital black & white orthophotos
 Source: MASSGIS; Resolution: 1/2 meter; Date Flown: March 1997
 TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
 Source: MASSGIS

TITLE

Sample Area 7



DATE	REV.	DRAWN	INT.	CHECKED	INT.	APPR.	INT.
02/11/98							






FIGURE

3.2.6b









Impact Area Groundwater Study

LEGEND

-  Soil Borings with Validated Data
-  Soil Borings without Validated Data
-  Soil Grids with Validated Data
-  Soil Grids without Validated Data
-  Surface Water & Sediment Samples without Validated Data

BASEMAP LEGEND

-  Impact Area Boundary
-  Water Bodies
-  Roads
-  Paths
-  Power/Transmission Lines
-  3 Meter Contours

LOCATION MAP



NOTES & SOURCES

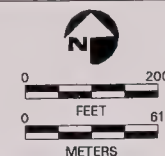
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ORTHOPHOTOGRAPHY: 1:5000 digital black & white orthophotos
Source: MAGGIE; Resolution: 1/2 meter; Date Flown: March 1997

TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
Source: MASSGIS

TITLE

*Sample Area 8
Succonsette Pond*



DATE	REV.	DRAWN	INIT.	CHECKED	INIT.	APPR.	DATE
02/11/98							

FIGURE
3.2.6.c

Interim Results Report

Surface soil samples also contained VOC, SVOC, pesticides, herbicides, and inorganic compounds. The VOCs detected and frequency reported include acetone (1x), chloroform (1x), PCE (1x), and TCE (3x). The SVOCs detected and frequency reported include benzo (a) anthracene (1x), benzo (b) fluoranthene (2x), bis (2-ethylhexyl) phthalate (1x), chrysene (3x), fluoranthene (4x), phenanthrene (3x), and pyrene (3x). The pesticides/ herbicides detected and frequency reported include 4,4'-DDE (7x), 4,4'-DDT (9x), 2,4-DB (1x), 2,4,5-T (1x), alpha-chlordane (1x), bentazon (2x), chloramben (1x), dieldrin (1x), gamma-chlordane (1x), MCPA (11x), and MCPP (1x). Thirteen of the metals analyzed were detected above RAH surface soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was not detected in surface soil samples.

The only organic compound detected in the one sample analyzed for these compounds was acetone. Thirteen of the metals analyzed were detected above RAH subsurface soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was not detected in subsurface soil samples.

Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
Explosives						
S08DAA	7	0-6"	2-Nitrotoluene	140	ug/kg	J
S08DAD	7	0-6"	2-Nitrotoluene	160	ug/kg	J
B06CAA	6	0-6"	Pentaerythritol Tetranitrate (PETN)	7000	ug/kg	J
S08DAA	7	0-6"	Picric Acid	180	ug/kg	
S08DAD	7	0-6"	Picric Acid	200	ug/kg	
VOCs						
B06BAA	6	0-6"	Acetone	140	ug/kg	J
S07DCA	6	10-12'	Acetone	42	ug/kg	J
B06BAA	6	0-6"	Chloroform	9	ug/kg	J
B08EAA	8	0-6"	Tetrachloroethylene (PCE)	2	ug/kg	J
B08AAA	8	0-6"	Toluene	7	ug/kg	J
B06BAA	6	0-6"	Trichloroethylene (TCE)	1	ug/kg	J
B08EAA	8	0-6"	Trichloroethylene (TCE)	2	ug/kg	J
B08EAD	8	0-6"	Trichloroethylene (TCE)	3	ug/kg	J
SVOCs						
B06DAA	6	0-6"	Benzo(a)Anthracene	20	ug/kg	J
B07CAA	7	0-6"	Benzo(b)Fluoranthene	33	ug/kg	J
B08EAD	8	0-6"	Benzo(b)Fluoranthene	24	ug/kg	J
B06EAD	6	0-6"	Bis(2-Ethylhexyl) Phthalate	20	ug/kg	J

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B06DAA	6	0-6"	Chrysene	26	ug/kg	J
B07CAA	7	0-6"	Chrysene	22	ug/kg	J
B08EAD	8	0-6"	Chrysene	25	ug/kg	J
B06DAA	6	0-6"	Fluoranthene	21	ug/kg	J
B07BAA	7	0-6"	Fluoranthene	19	ug/kg	J
B07CAA	7	0-6"	Fluoranthene	34	ug/kg	J
B08EAD	8	0-6"	Fluoranthene	23	ug/kg	J
B07CAA	7	0-6"	Phenanthrene	24	ug/kg	J
B08EAA	8	0-6"	Phenanthrene	49	ug/kg	J
B08EAD	8	0-6"	Phenanthrene	44	ug/kg	J
B06DAA	6	0-6"	Pyrene	54	ug/kg	J
B07CAA	7	0-6"	Pyrene	27	ug/kg	J
B08EAD	8	0-6"	Pyrene	21	ug/kg	J
Pesticides/Herbicides						
B06CAA	6	0-6"	2,4 DB	160	ug/kg	J
B06CAA	6	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	16	ug/kg	J
S07DAA	6	0-6"	Alpha-Chlordane	2.6	ug/kg	
B06CAA	6	0-6"	Bentazon	190	ug/kg	NJ
B07CAA	7	0-6"	Bentazon	160	ug/kg	NJ
B07CAA	7	0-6"	Chloramben	79	ug/kg	NJ
B07CAA	7	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	5	ug/kg	NJ
B07EAA	7	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	6.5	ug/kg	
B07EAD	7	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	8.3	ug/kg	
B08BAA	8	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.5	ug/kg	J
B08DAA	8	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	3.9	ug/kg	J
B08EAA	8	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.8	ug/kg	J
B08EAD	8	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.4	ug/kg	J
B07AAA	7	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2	ug/kg	J
B07CAA	7	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	9.7	ug/kg	
B07DAA	7	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.1	ug/kg	J
B07EAA	7	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	9.7	ug/kg	
B07EAD	7	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	12	ug/kg	
B08AAA	8	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.2	ug/kg	J
B08BAA	8	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.4	ug/kg	J
B08DAA	8	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	6.4	ug/kg	
B08EAD	8	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.8	ug/kg	J
B08DAA	8	0-6"	Dieldrin	44	ug/kg	J
S07DAA	6	0-6"	Gamma-Chlordane	2.6	ug/kg	
B06BAA	6	0-6"	MCPA	34000	ug/kg	NJ

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B06DAA	6	0-6"	MCPA	21000	ug/kg	NJ
B06EAA	6	0-6"	MCPA	18000	ug/kg	
B06EAD	6	0-6"	MCPA	21000	ug/kg	J
B07AAA	7	0-6"	MCPA	39000	ug/kg	NJ
B07DAA	7	0-6"	MCPA	26000	ug/kg	NJ
B07EAA	7	0-6"	MCPA	27000	ug/kg	NJ
B07EAD	7	0-6"	MCPA	16000	ug/kg	J
B08AAA	8	0-6"	MCPA	11000	ug/kg	J
B08DAA	8	0-6"	MCPA	38000	ug/kg	J
B08EAD	8	0-6"	MCPA	10000	ug/kg	NJ
B07BAA	7	0-6"	MCPA	40000	ug/kg	NJ
Metals						
B06AAA	6	0-6"	Aluminum	6120	mg/kg	
B06BAA	6	0-6"	Aluminum	7450	mg/kg	
B06CAA	6	0-6"	Aluminum	11100	mg/kg	
B06DAA	6	0-6"	Aluminum	5240	mg/kg	
B06EAA	6	0-6"	Aluminum	6480	mg/kg	
B06EAD	6	0-6"	Aluminum	6150	mg/kg	
B07AAA	7	0-6"	Aluminum	5090	mg/kg	
B07BAA	7	0-6"	Aluminum	8670	mg/kg	
B07CAA	7	0-6"	Aluminum	12200	mg/kg	
B07DAA	7	0-6"	Aluminum	5780	mg/kg	
B07EAA	7	0-6"	Aluminum	8450	mg/kg	
B07EAD	7	0-6"	Aluminum	11000	mg/kg	
B08AAA	8	0-6"	Aluminum	2460	mg/kg	
B08DAA	8	0-6"	Aluminum	5170	mg/kg	
B08EAA	8	0-6"	Aluminum	3300	mg/kg	
B08EAD	8	0-6"	Aluminum	2660	mg/kg	
S07DEA	6	31-33'	Aluminum	2120	mg/kg	J
S07DFA	6	42-44'	Aluminum	3240	mg/kg	
S07DGA	6	50-52'	Aluminum	1980	mg/kg	
B07BAA	7	0-6"	Arsenic	4.4	mg/kg	
B07CAA	7	0-6"	Arsenic	5.5	mg/kg	
B07EAD	7	0-6"	Arsenic	4.9	mg/kg	
B07CAA	7	0-6"	Barium	20	mg/kg	
B08EAA	8	0-6"	Barium	27.1	mg/kg	
B08EAD	8	0-6"	Barium	18.9	mg/kg	
S07DEA	6	31-33'	Barium	8.9	mg/kg	
S07DFA	6	42-44'	Barium	13.2	mg/kg	

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B08EAA	8	0-6"	Calcium	505	mg/kg	
S07DEA	6	31-33'	Calcium	520	mg/kg	
S07DFA	6	42-44'	Calcium	657	mg/kg	
B06CAA	6	0-6"	Chromium, Total	11.2	mg/kg	
B07BAA	7	0-6"	Chromium, Total	9.1	mg/kg	
B07CAA	7	0-6"	Chromium, Total	12.5	mg/kg	
B07EAA	7	0-6"	Chromium, Total	7.5	mg/kg	
B07EAD	7	0-6"	Chromium, Total	10	mg/kg	
S07DAA	6	0-6"	Chromium, Total	8.5	mg/kg	J
S07DAD	6	0-6"	Chromium, Total	7.6	mg/kg	J
S07DEA	6	31-33'	Chromium, Total	13	mg/kg	J
S07DFA	6	42-44'	Chromium, Total	16.1	mg/kg	
S07DGA	6	50-52'	Chromium, Total	4.2	mg/kg	
S07DJA	6	80-82'	Chromium, Total	5.9	mg/kg	
S07DFA	6	42-44'	Cobalt	3.7	mg/kg	
B07AAA	7	0-6"	Copper	8	mg/kg	
B07BAA	7	0-6"	Copper	18.4	mg/kg	
B07CAA	7	0-6"	Copper	9.3	mg/kg	
B07DAA	7	0-6"	Copper	7.5	mg/kg	
B07EAA	7	0-6"	Copper	7.6	mg/kg	
B07EAD	7	0-6"	Copper	11.5	mg/kg	
S07DEA	6	31-33'	Copper	8	mg/kg	
S07DFA	6	42-44'	Copper	16.8	mg/kg	
B06CAA	6	0-6"	Iron	13000	mg/kg	
B07CAA	7	0-6"	Iron	14100	mg/kg	J
B07EAD	7	0-6"	Iron	14100	mg/kg	J
S07DCA	6	10-12'	Iron	4090	mg/kg	J
S07DDA	6	20-22'	Iron	3960	mg/kg	J
S07DEA	6	31-33'	Iron	7090	mg/kg	J
S07DFA	6	42-44'	Iron	8480	mg/kg	
S07DGA	6	50-52'	Iron	4580	mg/kg	
S07DJA	6	80-82'	Iron	3520	mg/kg	
B06CAA	6	0-6"	Lead	16.5	mg/kg	
B07AAA	7	0-6"	Lead	40.2	mg/kg	
B07BAA	7	0-6"	Lead	20	mg/kg	
B07CAA	7	0-6"	Lead	28.5	mg/kg	
B07DAA	7	0-6"	Lead	17.1	mg/kg	
B07EAD	7	0-6"	Lead	16.9	mg/kg	
B08DAA	8	0-6"	Lead	51.1	mg/kg	

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B08EAA	8	0-6"	Lead	22.3	mg/kg	
B08EAD	8	0-6"	Lead	15.5	mg/kg	
S07DCA	6	10-12'	Lead	2.5	mg/kg	
S07DEA	6	31-33'	Lead	5.3	mg/kg	
S07DFA	6	42-44'	Lead	5.1	mg/kg	
S07DGA	6	50-52'	Lead	3	mg/kg	
S07DIA	6	70-72'	Lead	2.6	mg/kg	
S08DAA	7	0-6"	Lead	25	mg/kg	J
S08DAD	7	0-6"	Lead	17.7	mg/kg	J
B07CAA	7	0-6"	Magnesium	974	mg/kg	
S07DEA	6	31-33'	Magnesium	1120	mg/kg	
S07DFA	6	42-44'	Magnesium	1670	mg/kg	
S07DGA	6	50-52'	Magnesium	975	mg/kg	
S07DJA	6	80-82'	Magnesium	687	mg/kg	
S07DLA	6	100-102'	Mercury	0.05	mg/kg	
B07CAA	7	0-6"	Nickel	7.2	mg/kg	
S07DFA	6	42-44'	Nickel	5.9	mg/kg	
S07DFA	6	42-44'	Potassium	1210	mg/kg	
B06BAA	6	0-6"	Selenium	1.5	mg/kg	
B06CAA	6	0-6"	Selenium	1.1	mg/kg	J
B06EAA	6	0-6"	Selenium	0.95	mg/kg	J
B06EAD	6	0-6"	Selenium	0.92	mg/kg	J
B07BAA	7	0-6"	Selenium	1.3	mg/kg	J
B07CAA	7	0-6"	Selenium	1.5	mg/kg	J
B07DAA	7	0-6"	Selenium	1	mg/kg	J
B07EAA	7	0-6"	Selenium	1.7	mg/kg	J
B07EAD	7	0-6"	Selenium	1.7	mg/kg	J
B08BAA	8	0-6"	Selenium	1.2	mg/kg	J
B08EAD	8	0-6"	Selenium	1.3	mg/kg	J
S07DAA	6	0-6"	Selenium	1.1	mg/kg	
S07DAD	6	0-6"	Selenium	1.2	mg/kg	
S08DAD	7	0-6"	Selenium	0.95	mg/kg	J
B07AAA	7	0-6"	Thallium	1.4	mg/kg	J
B07BAA	7	0-6"	Thallium	1.3	mg/kg	J
B06BAA	6	0-6"	Vanadium	20.2	mg/kg	
B06CAA	6	0-6"	Vanadium	24.9	mg/kg	
B06DAA	6	0-6"	Vanadium	21.3	mg/kg	
B07BAA	7	0-6"	Vanadium	28.1	mg/kg	
B07CAA	7	0-6"	Vanadium	33.9	mg/kg	

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B07DAA	7	0-6"	Vanadium	21.8	mg/kg	
B07EAA	7	0-6"	Vanadium	25	mg/kg	
B07EAD	7	0-6"	Vanadium	30.9	mg/kg	
S07DEA	6	31-33'	Vanadium	7.3	mg/kg	
S07DFA	6	42-44'	Vanadium	8.5	mg/kg	
S08DAD	7	0-6"	Vanadium	16.8	mg/kg	
B07CAA	7	0-6"	Zinc	20.7	mg/kg	
S07DFA	6	42-44'	Zinc	20	mg/kg	
Anions						
B06AAA	6	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
B06BAA	6	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
B06CAA	6	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B06DAA	6	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B06EAA	6	0-6"	Nitrate/Nitrite (As N)	0.08	mg/kg	
B06EAD	6	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B07AAA	7	0-6"	Nitrate/Nitrite (As N)	0.03	mg/kg	J
B07BAA	7	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
B07CAA	7	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
B07DAA	7	0-6"	Nitrate/Nitrite (As N)	0.13	mg/kg	
B07EAA	7	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	J
B07EAD	7	0-6"	Nitrate/Nitrite (As N)	0.26	mg/kg	
B08AAA	8	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	J
B08BAA	8	0-6"	Nitrate/Nitrite (As N)	0.29	mg/kg	
B08CAA	8	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
B08DAA	8	0-6"	Nitrate/Nitrite (As N)	0.08	mg/kg	
B08EAA	8	0-6"	Nitrate/Nitrite (As N)	0.23	mg/kg	
B08EAD	8	0-6"	Nitrate/Nitrite (As N)	0.16	mg/kg	
S07DAD	6	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
S07DCA	6	10-12'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S07DDA	6	20-22'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S07DEA	6	31-33'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S07DFA	6	42-44'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S07DGA	6	50-52'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S07DHA	6	60-62'	Nitrate/Nitrite (As N)	0.01	mg/kg	
S07DIA	6	70-72'	Nitrate/Nitrite (As N)	0.06	mg/kg	
S07DJA	6	80-82'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S07DKA	6	90-92'	Nitrate/Nitrite (As N)	0.07	mg/kg	
S07DLA	6	100-102'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S08DAA	7	0-6"	Nitrate/Nitrite (As N)	0.21	mg/kg	

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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
S08DAD	7	0-6"	Nitrate/Nitrite (As N)	0.14	mg/kg	
B06AAA	6	0-6"	Nitrogen, Ammonia (As N)	13.9	mg/kg	
B06BAA	6	0-6"	Nitrogen, Ammonia (As N)	14.5	mg/kg	
B06CAA	6	0-6"	Nitrogen, Ammonia (As N)	18.5	mg/kg	
B06DAA	6	0-6"	Nitrogen, Ammonia (As N)	18.1	mg/kg	
B06EAA	6	0-6"	Nitrogen, Ammonia (As N)	15.6	mg/kg	
B06EAD	6	0-6"	Nitrogen, Ammonia (As N)	17.9	mg/kg	
B07AAA	7	0-6"	Nitrogen, Ammonia (As N)	18.2	mg/kg	
B07BAA	7	0-6"	Nitrogen, Ammonia (As N)	22.2	mg/kg	
B07CAA	7	0-6"	Nitrogen, Ammonia (As N)	29.6	mg/kg	
B07DAA	7	0-6"	Nitrogen, Ammonia (As N)	19.3	mg/kg	
B07EAA	7	0-6"	Nitrogen, Ammonia (As N)	22.1	mg/kg	
B07EAD	7	0-6"	Nitrogen, Ammonia (As N)	17.8	mg/kg	
B08AAA	8	0-6"	Nitrogen, Ammonia (As N)	23.3	mg/kg	
B08BAA	8	0-6"	Nitrogen, Ammonia (As N)	12.8	mg/kg	J
B08CAA	8	0-6"	Nitrogen, Ammonia (As N)	9.5	mg/kg	J
B08DAA	8	0-6"	Nitrogen, Ammonia (As N)	23.1	mg/kg	
B08EAA	8	0-6"	Nitrogen, Ammonia (As N)	24.2	mg/kg	
B08EAD	8	0-6"	Nitrogen, Ammonia (As N)	25.3	mg/kg	
S07DAA	6	0-6"	Nitrogen, Ammonia (As N)	6.9	mg/kg	J
S07DAD	6	0-6"	Nitrogen, Ammonia (As N)	6.2	mg/kg	J
S08DAA	7	0-6"	Nitrogen, Ammonia (As N)	38.7	mg/kg	
S08DAD	7	0-6"	Nitrogen, Ammonia (As N)	28.8	mg/kg	
B06AAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	114	mg/kg	J
B06BAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	106	mg/kg	J
B06CAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	111	mg/kg	J
B06DAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	78.1	mg/kg	J
B06EAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	110	mg/kg	J
B06EAD	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	106	mg/kg	J
B07AAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	573	mg/kg	J
B07BAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	106	mg/kg	J
B07CAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	124	mg/kg	J
B07DAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	133	mg/kg	J
B07EAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
B07EAD	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	111	mg/kg	J
B08AAA	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	136	mg/kg	J
B08BAA	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	55.6	mg/kg	J
B08CAA	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	57.4	mg/kg	J
B08DAA	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	125	mg/kg	J

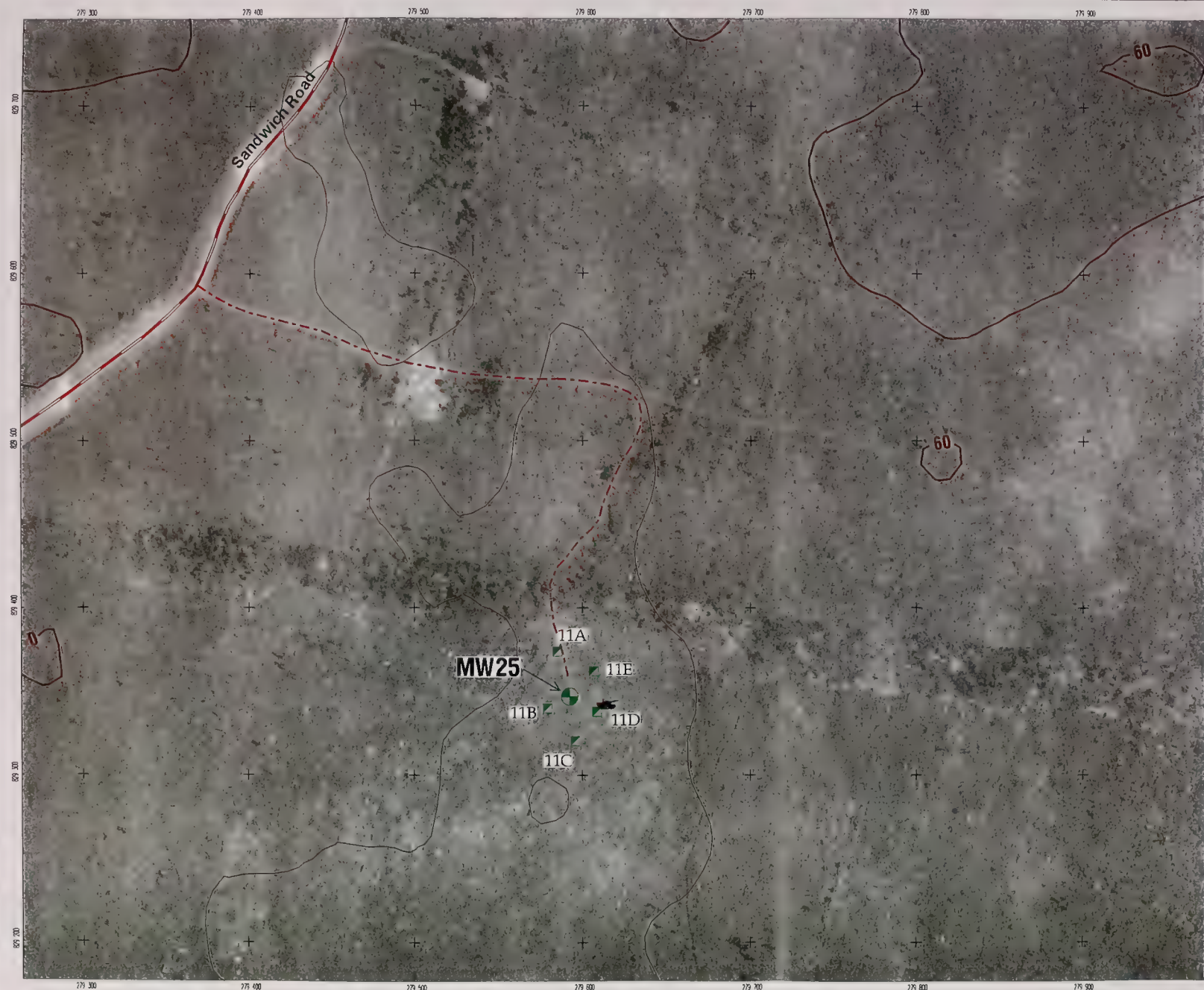
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Table 3.2.6. Detects of analytes in soil samples from Areas 6, 7, and 8.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B08EAA	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	133	mg/kg	J
B08EAD	8	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	100	mg/kg	J
S07DAA	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	68.2	mg/kg	J
S07DAD	6	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	68.6	mg/kg	J
S07DCA	6	10-12'	Phosphorus, Total Orthophosphate (As PO ₄)	94.8	mg/kg	J
S07DDA	6	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	61.7	mg/kg	J
S07DEA	6	31-33'	Phosphorus, Total Orthophosphate (As PO ₄)	113	mg/kg	J
S07DFA	6	42-44'	Phosphorus, Total Orthophosphate (As PO ₄)	103	mg/kg	J
S07DGA	6	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	104	mg/kg	J
S07DHA	6	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	58.8	mg/kg	J
S07DIA	6	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	48.7	mg/kg	J
S07DJA	6	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	67	mg/kg	J
S07DKA	6	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	33.8	mg/kg	J
S07DLA	6	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	53.5	mg/kg	J
S08DAA	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	105	mg/kg	J
S08DAD	7	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	96	mg/kg	J
Qualifiers:						
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.						
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.						

3.2.7 Areas 9, 10, 11, and 14

Areas 9, 10, 11, and 14 are control areas, which were selected from within the Impact Area. These areas are suspected not to be within the immediate target areas of concern, and do not appear to have been impacted by range use. Validated surface soil samples include eight field samples and four duplicates from within Areas 9, 10, and 11. These include the five grids and boring (MW-25) at Area 11 (see figure 3.2.7), and the borings in Areas 9 (MW-4) and 10 (MW-5). Fourteen subsurface soil samples have been validated for boring MW-4 in Area 9. The subsurface soil samples were analyzed for inorganics, and the upper two intervals were analyzed for explosives. The following intervals were also analyzed for VOC, SVOC, pesticides/PCB, herbicides, EDB, and MTBE due to FID responses: 10, 30, 40, 50, 60, 110, 120, and 130 feet bgs. Subsurface soil samples have not been validated for the borings in Areas 10 and 11. No validated sample results were available for Area 14. Detections for the validated samples are summarized in Table 3.2.7.



Impact Area Groundwater Study

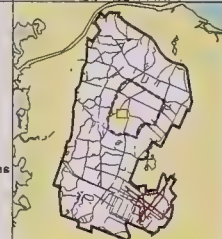
LEGEND

- Soil Borings with Validated Data
- Soil Borings without Validated Data
- Soil Grids with Validated Data
- Soil Grids without Validated Data

BASEMAP LEGEND

- Impact Area Boundary
- Water Bodies
- Roads
- Paths
- Power/Transmission Lines
- 3 Meter Contours

LOCATION MAP



NOTES & SOURCES

Map coordinates: Stateplane, NAD83, Zone 4151, Meters

ORTHOGRAPHY: 1:5000 digital black & white orthophotos
Source: MASSGIS; Resolution: 1/2 meter; Date Flown: March 1997

TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
Source: MASSGIS

TITLE

Sample Area 11



DATE	REV	REVW	INT	CHG	INT	APP	INT
02/11/98							

FIGURE

3.2.7

Interim Results Report

Area 9

Explosive compounds were not detected in any samples from Area 9. No VOCs were detected in the surface soil, but chloroform was detected in the subsurface 10-foot interval sample. Bis (2-ethylhexyl) phthalate was detected in the surface soil and in the 10-, 30-, 50-, 60-, 120-, and 130-foot bgs intervals. MCPA was detected in the surface soil sample. Alpha-BHC and delta-BHC were both detected in the 60-foot bgs sample. Nine of the metals analyzed were detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was not detected in Area 9 samples.

Area 10

Explosive compounds were not detected in the Area 10 surface soil sample and duplicate. The only organic compound detected at Area 10 was bis (2-ethylhexyl) phthalate. Two of the metals analyzed were detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in both samples. Cyanide was not detected.

Area 11

The explosive compound PETN was detected in one Area 11 surface soil sample and duplicate. The VOCs detected and frequency include 2-Butanone (2x), acetone (1x) chloroform (2x), methylene chloride (2x), and toluene (1x). MTBE was detected in three samples. Bis (2-ethylhexyl) phthalate was detected in one sample, but not in its duplicate. The pesticides/herbicides detected and the frequency reported include alpha-BHC (6x), 4,4'-DDE (5x), 4,4'-DDT (6x), and MCPA (7x). Fifteen of the metals analyzed were detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was not detected in Area 11 samples.

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
Explosives						
S25DAA	11	0-6"	Pentaerythritol Tetranitrate (PETN)	1E+05	ug/kg	NJ
S25DAD	11	0-6"	Pentaerythritol Tetranitrate (PETN)	58000	ug/kg	NJ
VOCs						
B11BAA	11	0-6"	Acetone	110	ug/kg	
B11AAA	11	0-6"	Chloroform	2	ug/kg	J
B11BAA	11	0-6"	Chloroform	2	ug/kg	J
S04DCA	9	10-14'	Chloroform	5	ug/kg	J
B11AAA	11	0-6"	Methyl Ethyl Ketone (2-Butanone)	32	ug/kg	

Interim Results Report

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B11BAA	11	0-6"	Methyl Ethyl Ketone (2-Butanone)	4	ug/kg	J
B11BAA	11	0-6"	Methylene Chloride	1	ug/kg	J
B11CAA	11	0-6"	Methylene Chloride	2	ug/kg	J
B11AAA	11	0-6"	Tert-Butyl Methyl Ether	1.2	ug/kg	
B11BAA	11	0-6"	Tert-Butyl Methyl Ether	1.1	ug/kg	J
B11CAA	11	0-6"	Tert-Butyl Methyl Ether	3.5	ug/kg	J
B11AAA	11	0-6"	Toluene	1	ug/kg	J
SVOCs						
S04DAA	9	0-6"	Bis(2-Ethylhexyl) Phthalate	27	ug/kg	J
S04DCA	9	10-14'	Bis(2-Ethylhexyl) Phthalate	34	ug/kg	J
S04DEA	9	30-34'	Bis(2-Ethylhexyl) Phthalate	19	ug/kg	J
S04DGA	9	50-54'	Bis(2-Ethylhexyl) Phthalate	25	ug/kg	J
S04DHA	9	60-62'	Bis(2-Ethylhexyl) Phthalate	38	ug/kg	J
S04DNA	9	120-122'	Bis(2-Ethylhexyl) Phthalate	16	ug/kg	J
S04DOA	9	130-134'	Bis(2-Ethylhexyl) Phthalate	180	ug/kg	J
S05DAA	10	0-6"	Bis(2-Ethylhexyl) Phthalate	43	ug/kg	J
S05DAD	10	0-6"	Bis(2-Ethylhexyl) Phthalate	54	ug/kg	J
S25DAA	11	0-6"	Bis(2-Ethylhexyl) Phthalate	28	ug/kg	J
Pesticides/Herbicides						
S04DHA	9	60-62'	Alpha BHC (Alpha Hexachlorocyclohexane)	1.4	ug/kg	J
B11AAA	11	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	5.1	ug/kg	
B11CAA	11	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.7	ug/kg	J
B11DAA	11	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.1	ug/kg	J
B11EAA	11	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2	ug/kg	J
B11EAD	11	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.4	ug/kg	J
B11AAA	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	4.5	ug/kg	
B11CAA	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	5.9	ug/kg	
B11DAA	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	3.1	ug/kg	J
B11EAA	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	2.8	ug/kg	J
S25DAA	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	4	ug/kg	J
S25DAD	11	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	4.3	ug/kg	J
S04DHA	9	60-62'	Delta BHC (Delta Hexachlorocyclohexane)	1.3	ug/kg	J
B11AAA	11	0-6"	MCPA	12000	ug/kg	J
B11BAA	11	0-6"	MCPA	13000	ug/kg	NJ
B11DAA	11	0-6"	MCPA	6500	ug/kg	NJ
B11EAA	11	0-6"	MCPA	10000	ug/kg	J
B11EAD	11	0-6"	MCPA	11000	ug/kg	NJ
S04DAA	9	0-6"	MCPA	8400	ug/kg	J
S04DAD	9	0-6"	MCPA	8400	ug/kg	

Interim Results Report

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
S25DAA	11	0-6"	MCPA	27000	ug/kg	
S25DAD	11	0-6"	MCPA	24000	ug/kg	
S25DAD	11	0-6"	Picloram	11	ug/kg	
Metals						
B11AAA	11	0-6"	Aluminum	9350	mg/kg	
B11BAA	11	0-6"	Aluminum	13000	mg/kg	
B11CAA	11	0-6"	Aluminum	12200	mg/kg	
B11DAA	11	0-6"	Aluminum	5290	mg/kg	
B11EAA	11	0-6"	Aluminum	3930	mg/kg	
B11EAD	11	0-6"	Aluminum	4610	mg/kg	
S04DAA	9	0-6"	Aluminum	12100	mg/kg	
S04DAD	9	0-6"	Aluminum	12700	mg/kg	
S04DEA	9	30-34'	Aluminum	1710	mg/kg	
S25DAA	11	0-6"	Aluminum	10700	mg/kg	
S25DAD	11	0-6"	Aluminum	12000	mg/kg	
B11BAA	11	0-6"	Arsenic	4.2	mg/kg	
B11AAA	11	0-6"	Barium	17.1	mg/kg	
B11CAA	11	0-6"	Barium	21.4	mg/kg	
S25DAA	11	0-6"	Barium	22.4	mg/kg	
S25DAD	11	0-6"	Barium	17.4	mg/kg	
B11AAA	11	0-6"	Chromium, Total	9.2	mg/kg	
B11BAA	11	0-6"	Chromium, Total	14.4	mg/kg	
B11CAA	11	0-6"	Chromium, Total	12.7	mg/kg	
S04DAA	9	0-6"	Chromium, Total	10.6	mg/kg	
S04DAD	9	0-6"	Chromium, Total	11.7	mg/kg	
S04DEA	9	30-34'	Chromium, Total	31	mg/kg	
S04DGA	9	50-54'	Chromium, Total	10.3	mg/kg	
S25DAA	11	0-6"	Chromium, Total	11.3	mg/kg	
S25DAD	11	0-6"	Chromium, Total	11.6	mg/kg	
S04DEA	9	30-34'	Cobalt	2.4	mg/kg	
B11AAA	11	0-6"	Copper	26.4	mg/kg	
B11BAA	11	0-6"	Copper	11.6	mg/kg	
B11CAA	11	0-6"	Copper	20.9	mg/kg	
B11DAA	11	0-6"	Copper	21.4	mg/kg	
B11EAA	11	0-6"	Copper	17.6	mg/kg	
B11EAD	11	0-6"	Copper	15.3	mg/kg	
S04DEA	9	30-34'	Copper	4.7	mg/kg	
S25DAA	11	0-6"	Copper	59.8	mg/kg	
S25DAD	11	0-6"	Copper	33.6	mg/kg	

Interim Results Report

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
B11BAA	11	0-6"	Iron	12900	mg/kg	
B11CAA	11	0-6"	Iron	14600	mg/kg	
S04DDA	9	20-22'	Iron	3210	mg/kg	
S04DEA	9	30-34'	Iron	7790	mg/kg	
S04DGA	9	50-54'	Iron	4850	mg/kg	
S04DHA	9	60-62'	Iron	3750	mg/kg	
S25DAA	11	0-6"	Iron	14000	mg/kg	
S25DAD	11	0-6"	Iron	14100	mg/kg	
B11AAA	11	0-6"	Lead	15.8	mg/kg	
B11CAA	11	0-6"	Lead	24.1	mg/kg	
B11DAA	11	0-6"	Lead	17	mg/kg	
S04DAA	9	0-6"	Lead	6.3	mg/kg	
S04DAD	9	0-6"	Lead	6.5	mg/kg	
S04DEA	9	30-34'	Lead	2.5	mg/kg	
S04DGA	9	50-54'	Lead	2.7	mg/kg	
S25DAA	11	0-6"	Lead	36.6	mg/kg	
S25DAD	11	0-6"	Lead	19.9	mg/kg	
B11BAA	11	0-6"	Magnesium	1610	mg/kg	
S04DEA	9	30-34'	Magnesium	966	mg/kg	
S04DGA	9	50-54'	Magnesium	583	mg/kg	
S04DAA	9	0-6"	Mercury	0.18	mg/kg	
S04DAD	9	0-6"	Mercury	0.12	mg/kg	
S04DFA	9	40-44'	Mercury	0.15	mg/kg	J
S04DGA	9	50-54'	Mercury	0.06	mg/kg	J
S04DHA	9	60-62'	Mercury	0.06	mg/kg	J
S25DAA	11	0-6"	Mercury	0.19	mg/kg	J
S25DAA	11	0-6"	Nickel	7.1	mg/kg	
B11BAA	11	0-6"	Selenium	0.92	mg/kg	J
B11CAA	11	0-6"	Selenium	1.4	mg/kg	J
S04DAA	9	0-6"	Selenium	0.81	mg/kg	J
S04DAD	9	0-6"	Selenium	1.1	mg/kg	
S04DDA	9	20-22'	Selenium	0.68	mg/kg	J
S04DEA	9	30-34'	Selenium	0.56	mg/kg	J
S04DFA	9	40-44'	Selenium	0.55	mg/kg	J
S04DIA	9	70-74'	Selenium	0.5	mg/kg	J
S04DLA	9	100-102'	Selenium	0.52	mg/kg	J
S04DMA	9	110-112'	Selenium	0.58	mg/kg	J
S04DNA	9	120-122'	Selenium	0.62	mg/kg	J
S04DOA	9	130-134'	Selenium	0.7	mg/kg	J

Interim Results Report

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
S05DAA	10	0-6"	Selenium	0.6	mg/kg	J
S25DAA	11	0-6"	Selenium	1.9	mg/kg	
S25DAD	11	0-6"	Selenium	1.8	mg/kg	
S25DAA	11	0-6"	Silver	1.9	mg/kg	
B11AAA	11	0-6"	Thallium	1.8	mg/kg	J
B11AAA	11	0-6"	Vanadium	21.7	mg/kg	
B11BAA	11	0-6"	Vanadium	22.9	mg/kg	
B11CAA	11	0-6"	Vanadium	32	mg/kg	
B11DAA	11	0-6"	Vanadium	18.1	mg/kg	
S04DAD	9	0-6"	Vanadium	18.3	mg/kg	
S05DAA	10	0-6"	Vanadium	21.2	mg/kg	
S25DAA	11	0-6"	Vanadium	39.2	mg/kg	
S25DAD	11	0-6"	Vanadium	27.6	mg/kg	
B11AAA	11	0-6"	Zinc	23	mg/kg	
B11BAA	11	0-6"	Zinc	38.4	mg/kg	
B11CAA	11	0-6"	Zinc	30.8	mg/kg	
B11DAA	11	0-6"	Zinc	23.7	mg/kg	
S25DAA	11	0-6"	Zinc	51.9	mg/kg	
S25DAD	11	0-6"	Zinc	31.4	mg/kg	
Anions						
B11AAA	11	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B11CAA	11	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B11DAA	11	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B11EAA	11	0-6"	Nitrate/Nitrite (As N)	0.04	mg/kg	J
B11EAD	11	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
S04DAA	9	0-6"	Nitrate/Nitrite (As N)	0.05	mg/kg	
S04DAD	9	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
S04DCA	9	10-14'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S04DDA	9	20-22'	Nitrate/Nitrite (As N)	0.11	mg/kg	
S04DEA	9	30-34'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S04DFA	9	40-44'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S04DGA	9	50-54'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S04DHA	9	60-62'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S04DIA	9	70-74'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S04DJA	9	80-82'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S04DKA	9	90-92'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S04DLA	9	100-102'	Nitrate/Nitrite (As N)	0.08	mg/kg	
S04DMA	9	110-112'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S04DNA	9	120-122'	Nitrate/Nitrite (As N)	0.03	mg/kg	

Interim Results Report

Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
S04DOA	9	130-134'	Nitrate Nitrite (As N)	0.04	mg/kg	
S04DPA	9	140-142'	Nitrate Nitrite (As N)	0.08	mg/kg	
S05DAA	10	0-6"	Nitrate Nitrite (As N)	0.32	mg/kg	
S05DAD	10	0-6"	Nitrate Nitrite (As N)	0.13	mg/kg	
S25DAA	11	0-6"	Nitrate Nitrite (As N)	0.11	mg/kg	
S25DAD	11	0-6"	Nitrate Nitrite (As N)	0.09	mg/kg	
B11AAA	11	0-6"	Nitrogen, Ammonia (As N)	27.1	mg/kg	
B11BAA	11	0-6"	Nitrogen, Ammonia (As N)	14.8	mg/kg	J
B11CAA	11	0-6"	Nitrogen, Ammonia (As N)	24.9	mg/kg	
B11DAA	11	0-6"	Nitrogen, Ammonia (As N)	23.5	mg/kg	
B11EAA	11	0-6"	Nitrogen, Ammonia (As N)	19	mg/kg	
B11EAD	11	0-6"	Nitrogen, Ammonia (As N)	16.3	mg/kg	
S04DAA	9	0-6"	Nitrogen, Ammonia (As N)	11.1	mg/kg	J
S04DAD	9	0-6"	Nitrogen, Ammonia (As N)	15.2	mg/kg	J
S04DJA	9	80-82'	Nitrogen, Ammonia (As N)	2.6	mg/kg	J
S05DAA	10	0-6"	Nitrogen, Ammonia (As N)	11.6	mg/kg	J
S05DAD	10	0-6"	Nitrogen, Ammonia (As N)	15.7	mg/kg	
S25DAA	11	0-6"	Nitrogen, Ammonia (As N)	23.4	mg/kg	
S25DAD	11	0-6"	Nitrogen, Ammonia (As N)	26.1	mg/kg	
B11AAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	107	mg/kg	J
B11BAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	114	mg/kg	J
B11CAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
B11DAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	161	mg/kg	J
B11EAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	135	mg/kg	J
B11EAD	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	439	mg/kg	J
S04DAA	9	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	117	mg/kg	J
S04DAD	9	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	112	mg/kg	J
S04DCA	9	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	48	mg/kg	J
S04DDA	9	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	73	mg/kg	J
S04DEA	9	30-34'	Phosphorus, Total Orthophosphate (As PO ₄)	77	mg/kg	J
S04DFA	9	40-44'	Phosphorus, Total Orthophosphate (As PO ₄)	66	mg/kg	J
S04DGA	9	50-54'	Phosphorus, Total Orthophosphate (As PO ₄)	61	mg/kg	J
S04DHA	9	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	46	mg/kg	J
S04DIA	9	70-74'	Phosphorus, Total Orthophosphate (As PO ₄)	22	mg/kg	J
S04DJA	9	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	43	mg/kg	J
S04DKA	9	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	23	mg/kg	J
S04DLA	9	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	34	mg/kg	J
S04DMA	9	110-112'	Phosphorus, Total Orthophosphate (As PO ₄)	37	mg/kg	J
S04DNA	9	120-122'	Phosphorus, Total Orthophosphate (As PO ₄)	56	mg/kg	J

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Table 3.2.7. Detects of analytes in soil samples from Area 9, 10, and 11.

Ogden ID	Area	Depth	Analyte	Result	Units	Qualifier
S04DOA	9	130-134'	Phosphorus, Total Orthophosphate (As PO ₄)	50	mg/kg	J
S04DPA	9	140-142'	Phosphorus, Total Orthophosphate (As PO ₄)	55	mg/kg	J
S05DAA	10	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	46	mg/kg	J
S05DAD	10	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	74	mg/kg	J
S25DAA	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	171	mg/kg	J
S25DAD	11	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	139	mg/kg	J

Qualifiers:
 J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
 NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

3.2.8 Area 12 (Demo Area 1)

Area 12 (Demo Area 1) is a restricted demolition area located north of Forestdale Road and south and outside of the Impact Area. The location is a topographic low with visible signs of demolition activity, namely craters. The validated data available includes one surface soil sample and a duplicate, as well as four subsurface soil samples (10-40 feet bgs), all collected from the boring for MW-19. The subsurface samples were analyzed for inorganics, and the upper two intervals for explosives. The 10-foot interval was also analyzed for VOC, SVOC, pesticides/PCB, herbicides, EDB, and MTBE. Detected compounds are summarized in Table 3.2.8.

The explosive compounds detected in the surface soil sample included 2-Amino-4,6-DNT, 4-Amino-2,6-DNT, HMX, and RDX. The duplicate of this sample contained these four explosive compounds, and also 2,4-DNT and 2,6-DNT. RDX was detected in the 10-foot interval. No explosives were detected in the 20-foot interval.

TCE was detected in the surface soil sample duplicate, but not in the field sample. The SVOCs detected in the surface soil sample and duplicate included benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, benzo (g,h,i) perylene, benzo (k) fluoranthene, bis (2-ethylhexyl) phthalate, chrysene, di-n-butyl phthalate, fluoranthene, ideno (1,2,3-c,d), N-nitrosodiphenylamine, pentachlorophenol, and pyrene. Phenanthrene was also detected in the duplicate, but not in the original field sample. The pesticide/herbicides detected in surface soil included dieldrin, lindane, heptachlor epoxide, hexachlorobenzene, and MCP. Thirteen of the metals analyzed were detected above

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RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in nearly all samples. Cyanide was not detected in Area 12 samples.

Table 3.2.8. Detects of analytes in soil samples from Area 12.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
Explosives					
S19DAD	0-6"	2,4-Dinitrotoluene	1800	ug/kg	J
S19DAD	0-6"	2,6-Dinitrotoluene	40	ug/kg	J
S19DAA	0-6"	2-Amino-4,6-Dinitrotoluene	350	ug/kg	
S19DAD	0-6"	2-Amino-4,6-Dinitrotoluene	220	ug/kg	
S19DAA	0-6"	4-Amino-2,6-Dinitrotoluene	280	ug/kg	J
S19DAD	0-6"	4-Amino-2,6-Dinitrotoluene	200	ug/kg	J
S19DAA	0-6"	Hexahydro-1,3,5-Trinitro-1,3,5-triazine (RDX)	610	ug/kg	
S19DAD	0-6"	Hexahydro-1,3,5-Trinitro-1,3,5-triazine (RDX)	520	ug/kg	
S19DCA	10-12'	Hexahydro-1,3,5-Trinitro-1,3,5-triazine (RDX)	120	ug/kg	J
S19DAA	0-6"	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-tetraocine(HMX)	600	ug/kg	NJ
S19DAD	0-6"	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-tetraocine (HMX)	690	ug/kg	NJ
VOCs					
S19DAD	0-6"	Trichloroethylene (TCE)	2	ug/kg	J
SVOCs					
S19DAA	0-6"	Benzo(a)Anthracene	58	ug/kg	J
S19DAD	0-6"	Benzo(a)Anthracene	53	ug/kg	J
S19DAA	0-6"	Benzo(a)Pyrene	42	ug/kg	J
S19DAD	0-6"	Benzo(a)Pyrene	39	ug/kg	J
S19DAA	0-6"	Benzo(b)Fluoranthene	81	ug/kg	J
S19DAD	0-6"	Benzo(b)Fluoranthene	68	ug/kg	J
S19DAA	0-6"	Benzo(g,h,i)Perylene	28	ug/kg	J
S19DAD	0-6"	Benzo(g,h,i)Perylene	30	ug/kg	J
S19DAA	0-6"	Benzo(k)Fluoranthene	110	ug/kg	J
S19DAD	0-6"	Benzo(k)Fluoranthene	80	ug/kg	J
S19DAA	0-6"	Bis(2-Ethylhexyl) Phthalate	25	ug/kg	J
S19DAD	0-6"	Bis(2-Ethylhexyl) Phthalate	300	ug/kg	J
S19DCA	10-12'	Bis(2-Ethylhexyl) Phthalate	38	ug/kg	J
S19DAA	0-6"	Chrysene	110	ug/kg	J
S19DAD	0-6"	Chrysene	98	ug/kg	J
S19DAA	0-6"	Di-N-Butyl Phthalate	250	ug/kg	J
S19DAD	0-6"	Di-N-Butyl Phthalate	22	ug/kg	J
S19DAA	0-6"	Fluoranthene	77	ug/kg	J
S19DAD	0-6"	Fluoranthene	62	ug/kg	J
S19DAA	0-6"	Indeno(1,2,3-c,d)Pyrene	30	ug/kg	J

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Table 3.2.8. Detects of analytes in soil samples from Area 12.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S19DAD	0-6"	Indeno(1,2,3-c,d)Pyrene	29	ug/kg	J
S19DAA	0-6"	N-Nitrosodiphenylamine	40	ug/kg	J
S19DAD	0-6"	N-Nitrosodiphenylamine	930	ug/kg	J
S19DAA	0-6"	Pentachlorophenol	10	ug/kg	J
S19DAD	0-6"	Pentachlorophenol	6.3	ug/kg	J
S19DAD	0-6"	Phenanthrene	20	ug/kg	J
S19DAA	0-6"	Pyrene	80	ug/kg	J
S19DAD	0-6"	Pyrene	64	ug/kg	J
Pesticides/Herbicides					
S19DAA	0-6"	Alpha BHC (Alpha Hexachlorocyclohexane)	2.9	ug/kg	J
S19DAA	0-6"	Alpha Endosulfan	2.4	ug/kg	J
S19DAD	0-6"	Alpha Endosulfan	13	ug/kg	J
S19DAD	0-6"	Bentazon	120	ug/kg	
S19DAD	0-6"	Dieldrin	1.8	ug/kg	J
S19DAA	0-6"	Gamma BHC (Lindane)	2.4	ug/kg	
S19DAA	0-6"	Heptachlor Epoxide	1.2	ug/kg	J
S19DAD	0-6"	Heptachlor Epoxide	4.2	ug/kg	J
S19DAA	0-6"	Hexachlorobenzene	160	ug/kg	J
S19DAD	0-6"	Hexachlorobenzene	380	ug/kg	J
S19DAD	0-6"	MCP	3600	ug/kg	NJ
Metals					
S19DCA	10-12'	Aluminum	3200	mg/kg	
S19DEA	30-32'	Aluminum	2860	mg/kg	
S19DAA	0-6"	Barium	25.5	mg/kg	
S19DAD	0-6"	Barium	39.4	mg/kg	
S19DCA	10-12'	Barium	11.5	mg/kg	
S19DAD	0-6"	Chromium, Total	9.7	mg/kg	
S19DCA	10-12'	Chromium, Total	5.7	mg/kg	
S19DEA	30-32'	Chromium, Total	8.8	mg/kg	
S19DEA	30-32'	Cobalt	3.4	mg/kg	
S19DAA	0-6"	Copper	51.6	mg/kg	
S19DAD	0-6"	Copper	100	mg/kg	
S19DCA	10-12'	Copper	4.8	mg/kg	
S19DEA	30-32'	Copper	4.6	mg/kg	
S19DCA	10-12'	Iron	6120	mg/kg	J
S19DDA	20-22'	Iron	3120	mg/kg	
S19DEA	30-32'	Iron	7050	mg/kg	
S19DFA	40-42'	Iron	3450	mg/kg	
S19DAA	0-6"	Lead	51	mg/kg	

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Table 3.2.8. Detects of analytes in soil samples from Area 12.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S19DAD	0-6"	Lead	65.7	mg/kg	
S19DCA	10-12'	Lead	4.6	mg/kg	
S19DDA	20-22'	Lead	2.5	mg/kg	
S19DEA	30-32'	Lead	2.8	mg/kg	
S19DAD	0-6"	Magnesium	1150	mg/kg	
S19DCA	10-12'	Magnesium	716	mg/kg	
S19DEA	30-32'	Magnesium	1550	mg/kg	
S19DFA	40-42'	Magnesium	565	mg/kg	
S19DAA	0-6"	Mercury	0.49	mg/kg	J
S19DAD	0-6"	Mercury	0.62	mg/kg	
S19DAD	0-6"	Nickel	7.8	mg/kg	
S19DEA	30-32'	Nickel	10.4	mg/kg	
S19DAD	0-6"	Selenium	0.78	mg/kg	J
S19DEA	30-32'	Selenium	1.2	mg/kg	
S19DCA	10-12'	Vanadium	9.6	mg/kg	
S19DEA	30-32'	Vanadium	10.2	mg/kg	
S19DAA	0-6"	Zinc	49.3	mg/kg	
S19DAD	0-6"	Zinc	72.4	mg/kg	
Anions					
S19DAA	0-6"	Nitrate Nitrite (As N)	0.18	mg/kg	
S19DAD	0-6"	Nitrate Nitrite (As N)	0.17	mg/kg	
S19DCA	10-12'	Nitrate Nitrite (As N)	0.09	mg/kg	
S19DDA	20-22'	Nitrate Nitrite (As N)	0.07	mg/kg	
S19DEA	30-32'	Nitrate Nitrite (As N)	0.16	mg/kg	
S19DFA	40-42'	Nitrate Nitrite (As N)	0.27	mg/kg	
S19DAA	0-6"	Nitrogen, Ammonia (As N)	6.7	mg/kg	J
S19DAD	0-6"	Nitrogen, Ammonia (As N)	6.2	mg/kg	J
S19DCA	10-12'	Nitrogen, Ammonia (As N)	3.7	mg/kg	J
S19DEA	30-32'	Nitrogen, Ammonia (As N)	4.4	mg/kg	J
S19DFA	40-42'	Nitrogen, Ammonia (As N)	2.4	mg/kg	J
S19DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	126	mg/kg	J
S19DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	116	mg/kg	J
S19DCA	10-12'	Phosphorus, Total Orthophosphate (As PO ₄)	79	mg/kg	J
S19DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	75.5	mg/kg	J
S19DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	69.5	mg/kg	J
S19DFA	40-42'	Phosphorus, Total Orthophosphate (As PO ₄)	76.1	mg/kg	J

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Table 3.2.8. Detects of analytes in soil samples from Area 12.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
Qualifiers: J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.					

3.2.9 Area 13 (Demo Area 2)

Area 13 (Demo Area 2) is a restricted demolition area located north of Gibbs Road and the Impact Area. A total of six surface soil samples and two have been validated. One subsurface soil sample, from 4-6 feet bgs, has also been validated (the sample depth for S16DCA is erroneously shown as 10 feet in Appendix A). This sample was collected based on an FID response and was analyzed for VOC, SVOC, pesticide/PCB, herbicide, EDB, and MTBE. Sample locations and validation status are indicated in Figure 3.2.9. Detected compounds are summarized in Table 3.2.9.

No explosive compounds were detected in the six Area 13 surface soil samples. TCE was detected once in surface soil, and toluene and acetone were detected in the subsurface soil sample. The SVOCs detected and frequency of detection in surface soil were bis (2-ethylhexyl) phthalate (2x), chrysene (1x), di-n-phthalate (1x), diethylphthalate (1x), fluoranthene (2x), and pyrene (2x). Bis (2-ethylhexyl) phthalate was also detected in the subsurface soil sample. 2,4,5-T and 4,4'-DDT were each detected once in surface soil, and delta-BHC was detected in the subsurface soil sample. Fifteen of the metals analyzed were detected above RAH soil background levels. The anion phosphate was detected in all samples, ammonia in four of six samples, and nitrate/nitrite in three of six samples. Cyanide was not detected in Area 13 samples.

Table 3.2.9. Detects of analytes in soil samples from Area 13 (Demo Area 2).

Ogden ID	Depth	Analyte	Result	Units	Qualifier
VOCs					
S16DCA	4-6'	Acetone	130	ug/kg	
S16DCA	4-6'	Toluene	32	ug/kg	
B13DAA	0-6"	Trichloroethylene (TCE)	2	ug/kg	J



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Table 3.2.9. Detects of analytes in soil samples from Area 13 (Demo Area 2).

Ogden ID	Depth	Analyte	Result	Units	Qualifier
SVOCs					
B13EAD	0-6"	Bis(2-Ethylhexyl) Phthalate	20	ug/kg	J
S16DAD	0-6"	Bis(2-Ethylhexyl) Phthalate	18	ug/kg	J
S16DCA	4-6'	Bis(2-Ethylhexyl) Phthalate	36	ug/kg	J
S16DAD	0-6"	Chrysene	25	ug/kg	J
S16DAD	0-6"	Diethyl Phthalate	26	ug/kg	J
S16DAD	0-6"	Di-N-Butyl Phthalate	22	ug/kg	J
B13BAA	0-6"	Fluoranthene	35	ug/kg	J
S16DAD	0-6"	Fluoranthene	27	ug/kg	J
B13BAA	0-6"	Pyrene	27	ug/kg	J
S16DAD	0-6"	Pyrene	21	ug/kg	J
Pesticides/Herbicides					
B13CAA	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	12	ug/kg	J
B13BAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	3.8	ug/kg	J
S16DCA	4-6'	Delta BHC (Delta Hexachlorocyclohexane)	1.4	ug/kg	J
Metals					
B13AAA	0-6"	Aluminum	4420	mg/kg	
B13BAA	0-6"	Aluminum	10100	mg/kg	
B13CAA	0-6"	Aluminum	10500	mg/kg	
B13DAA	0-6"	Aluminum	10200	mg/kg	
B13EAA	0-6"	Aluminum	8640	mg/kg	
B13EAD	0-6"	Aluminum	9690	mg/kg	
B13DAA	0-6"	Arsenic	4	mg/kg	J
B13EAA	0-6"	Arsenic	3.3	mg/kg	J
B13EAD	0-6"	Arsenic	3.6	mg/kg	J
B13CAA	0-6"	Barium	17.7	mg/kg	
B13DAA	0-6"	Barium	18.3	mg/kg	
B13BAA	0-6"	Chromium, Total	12.5	mg/kg	
B13CAA	0-6"	Chromium, Total	14.4	mg/kg	
B13DAA	0-6"	Chromium, Total	13	mg/kg	
B13EAA	0-6"	Chromium, Total	10.7	mg/kg	
B13EAD	0-6"	Chromium, Total	12	mg/kg	
S16DAA	0-6"	Chromium, Total	7.2	mg/kg	
S16DAD	0-6"	Chromium, Total	7.1	mg/kg	
B13BAA	0-6"	Cobalt	4.1	mg/kg	
B13CAA	0-6"	Cobalt	4.8	mg/kg	
B13DAA	0-6"	Cobalt	6	mg/kg	
B13EAA	0-6"	Cobalt	4.3	mg/kg	

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Table 3.2.9. Detects of analytes in soil samples from Area 13 (Demo Area 2).

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B13EAD	0-6"	Cobalt	4.7	mg/kg	
B13AAA	0-6"	Copper	6.4	mg/kg	
B13BAA	0-6"	Copper	21.5	mg/kg	
B13CAA	0-6"	Copper	9.2	mg/kg	
B13DAA	0-6"	Copper	8.1	mg/kg	
B13EAA	0-6"	Copper	7.1	mg/kg	
B13EAD	0-6"	Copper	8	mg/kg	
B13DAA	0-6"	Iron	12300	mg/kg	
B13EAD	0-6"	Iron	12300	mg/kg	
S16DAA	0-6"	Lead	14.5	mg/kg	J
B13BAA	0-6"	Magnesium	1260	mg/kg	
B13CAA	0-6"	Magnesium	1800	mg/kg	
B13DAA	0-6"	Magnesium	1970	mg/kg	
B13EAA	0-6"	Magnesium	1220	mg/kg	
B13EAD	0-6"	Magnesium	1410	mg/kg	
S16DAD	0-6"	Magnesium	971	mg/kg	
B13DAA	0-6"	Manganese	132	mg/kg	
S16DAA	0-6"	Mercury	0.08	mg/kg	J
B13CAA	0-6"	Nickel	7.2	mg/kg	
B13DAA	0-6"	Nickel	8	mg/kg	
B13BAA	0-6"	Selenium	1.2	mg/kg	
B13DAA	0-6"	Selenium	0.96	mg/kg	J
B13BAA	0-6"	Vanadium	20.3	mg/kg	J
B13CAA	0-6"	Vanadium	20.9	mg/kg	J
B13DAA	0-6"	Vanadium	21	mg/kg	J
B13EAD	0-6"	Vanadium	18.5	mg/kg	J
B13BAA	0-6"	Zinc	23.2	mg/kg	J
B13CAA	0-6"	Zinc	29.5	mg/kg	J
B13DAA	0-6"	Zinc	27	mg/kg	J
B13EAA	0-6"	Zinc	23.2	mg/kg	J
B13EAD	0-6"	Zinc	23.1	mg/kg	J
S16DAD	0-6"	Zinc	19.9	mg/kg	
Anions					
B13AAA	0-6"	Nitrate/Nitrite (As N)	0.01	mg/kg	J
B13BAA	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
S16DAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
S16DAD	0-6"	Nitrate/Nitrite (As N)	0.07	mg/kg	
B13BAA	0-6"	Nitrogen, Ammonia (As N)	3.8	mg/kg	J
B13DAA	0-6"	Nitrogen, Ammonia (As N)	2.9	mg/kg	J

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Table 3.2.9. Detects of analytes in soil samples from Area 13 (Demo Area 2).

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B13EAA	0-6"	Nitrogen, Ammonia (As N)	2.7	mg/kg	J
B13EAD	0-6"	Nitrogen, Ammonia (As N)	2.9	mg/kg	J
S16DAA	0-6"	Nitrogen, Ammonia (As N)	4.2	mg/kg	J
S16DAD	0-6"	Nitrogen, Ammonia (As N)	5.5	mg/kg	J
B13AAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	79.8	mg/kg	J
B13BAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	58	mg/kg	J
B13CAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	95.9	mg/kg	J
B13DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	66	mg/kg	J
B13EAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	60.5	mg/kg	J
B13EAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	62	mg/kg	J
S16DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	121	mg/kg	J
S16DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	139	mg/kg	J
Qualifiers: J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					

3.2.10 Area 15

Area 15 is located at the intersection of Monument Beach and Spruce Swamp Roads on the west side of the Impact Area. The area of investigation includes an historic cleared area and two small earth mounds. Two of the three grids in this area have validated data, as indicated in Figure 3.2.10. Detected compounds in the two samples and one duplicate are summarized in Table 3.2.10.

No explosive, VOC, or SVOC compounds were detected at Area 15. 2,4,5-T, dicamba, and Silvex were detected in one sample and its duplicate. Aluminum and arsenic were the only metals detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all three samples. Cyanide was not detected in Area 15 samples.

Table 3.2.10. Detects of analytes in soil samples from Area 15.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
Herbicides/Pesticides					
B15BAA	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	22	ug/kg	NJ
B15BAD	0-6"	2,4,5-T (Trichlorophenoxyacetic Acid)	7.6	ug/kg	NJ



Impact Area Groundwater Study

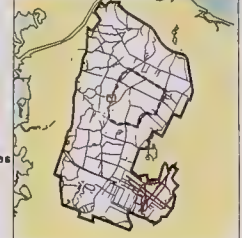
LEGEND

- Soil Borings with Validated Data
- Soil Borings without Validated Data
- Soil Grids with Validated Data
- Soil Grids without Validated Data

BASEMAP LEGEND

- Impact Area Boundary
- Water Bodies
- Roads
- Paths
- Power/Transmission Lines
- 3 Meter Contours

LOCATION MAP



NOTES & SOURCES

Map coordinates: Stateplane, NAD83, Zone 4151, Meters

ORTHOGRAPHY: 1:5000 digital black & white orthophotos
Source: MABGIS; Resolution: 1/2 meter; Date Flown: March 1997

TOPOGRAPHY: 3 meter contours generated from digital terrain models (DTMs)
Source: MABGIS

TITLE

Sample Area 15



DATE	REV.	DRAWN	INT.	CHECK	INT.	APP.	INT.
03/11/98							

FIGURE
3.2.10

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Table 3.2.10. Detects of analytes in soil samples from Area 15.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
B15BAA	0-6"	Dicamba	7.7	ug/kg	
B15BAD	0-6"	Dicamba	7.3	ug/kg	NJ
B15BAA	0-6"	Silvex (2,4,5-TP)	16	ug/kg	
B15BAD	0-6"	Silvex (2,4,5-TP)	23	ug/kg	NJ
Metals					
B15AAA	0-6"	Aluminum	2400	mg/kg	
B15BAA	0-6"	Aluminum	4090	mg/kg	
B15BAD	0-6"	Aluminum	2850	mg/kg	
B15AAA	0-6"	Arsenic	1.6	mg/kg	J
B15BAD	0-6"	Arsenic	1.9	mg/kg	J
Anions					
B15AAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B15BAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B15BAD	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	J
B15AAA	0-6"	Nitrogen, Ammonia (As N)	2	mg/kg	J
B15BAA	0-6"	Nitrogen, Ammonia (As N)	4.4	mg/kg	J
B15BAD	0-6"	Nitrogen, Ammonia (As N)	2.6	mg/kg	J
B15AAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	67.9	mg/kg	J
B15BAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	66.8	mg/kg	J
B15BAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	88.6	mg/kg	J
Qualifiers:					
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					

3.2.11 Area 22

Area 22 is the control area for the mortar positions, and includes five sampling grids covering the area around Observation Points 5, 6, and 7. Two surface soil samples from Area 22 have been validated. Detected compounds are summarized in Table 3.2.11.

No explosives or VOCs were detected in the two surface soil samples from Area 22. Fluoranthene and pyrene were detected in one of the two samples. The pesticide/herbicides 4,4'-DDE, 4,4'-DDT, and MCPA were detected in the same sample. Aluminum was the only metal detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in both samples. Cyanide was not detected.

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Table 3.2.11. Detects of analytes in soil samples from Area 22.

Ogden ID	Depth	Analyte	Result	Units	Qualifier
SVOCs					
BOPAAA	0-6"	Fluoranthene	20	ug/kg	J
BOPAAA	0-6"	Pyrene	25	ug/kg	J
Pesticides/Herbicides					
BOPAAA	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	3.5	ug/kg	J
BOPAAA	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	9.8	ug/kg	
BOPAAA	0-6"	MCPA	5800	ug/kg	J
Metals					
BOPAAA	0-6"	Aluminum	4170	mg/kg	
BOPBAA	0-6"	Aluminum	1840	mg/kg	
Anions					
BOPAAA	0-6"	Nitrate Nitrite (As N)	0.11	mg/kg	
BOPBAA	0-6"	Nitrate Nitrite (As N)	0.07	mg/kg	
BOPAAA	0-6"	Nitrogen, Ammonia (As N)	8.5	mg/kg	J
BOPBAA	0-6"	Nitrogen, Ammonia (As N)	12.5	mg/kg	J
BOPAAA	0-6"	Phosphorous, Total Orthophosphate (As PO ₄)	70.7	mg/kg	J
BOPBAA	0-6"	Phosphorous, Total Orthophosphate (As PO ₄)	57.9	mg/kg	J
Qualifiers:					
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.					

3.2.12 Samples Not Associated with Areas

A total of 9 surface soil samples and 5 duplicates have been validated from borings not specifically associated with an area of concern. An additional 71 subsurface soil samples from 11 boring locations have been validated. These subsurface samples extend from 10 feet bgs to the water table, from borings for MW-11, MW-12, MW-13, MW-14, MW-15, MW-28, MW-29, and MW-30. The subsurface soil samples were analyzed for inorganics. The upper two intervals were also analyzed for explosives, as were additional intervals at several borings (40, 50, and 60 feet bgs at MW-15; and 30 feet bgs at MW-30). The 10-foot interval was also analyzed for VOC, SVOC, pesticides/PCB, herbicides, EDB, and MTBE. Selected intervals from borings for MW-10, MW-17, and MW-23 were also sampled for these analytes based on FID responses.

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No explosive compounds were detected in any surface soil samples. The VOCs detected and frequency of detection in surface soils were methylene chloride (3x) and TCE (2x). SVOCs detected in surface soil and frequency were 3,5-dichlorobenzoic acid (1x) and bis (2-ethylhexyl) phthalate (3x). The pesticides/herbicides detected in surface soil and frequency include 4,4'-DDE (1x), 4,4'-DDT (1x), and MCPA (4x). Fourteen of the metals analyzed in surface soil were detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in all samples. Cyanide was not detected.

No explosive compounds were detected in any subsurface soil samples. The VOCs detected and frequency of detection in subsurface soils were benzene (2x), 2-butanone (1x), chlorobenzene (2x), chloroform (1x), 1,1-DCE (2x), TCE (1x) and toluene (2x). The SVOCs detected in the subsurface soil and frequencies were 1,2,4-trichlorobenzene (1x), 3,5-dichlorobenzoic acid (1x), bis (2-ethylhexyl) phthalate (7x), diethyl phthalate (1x), and di-n-phthalate (1x). The pesticide/herbicides detected in the subsurface soil were 2,4-DB and beta-BHC. Sixteen of the metals analyzed in subsurface soil were detected above RAH soil background levels. The anions nitrate/nitrite, ammonia, and phosphate were detected in most subsurface soil samples. Cyanide was not detected.

Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
VOCs					
S15DCA	10-14'	1,1-Dichloroethene	1	ug/kg	J
S15DDA	20-24'	1,1-Dichloroethene	1	ug/kg	J
S10DNA	143-146'	Acetone	11	ug/kg	J
S17DCA	53'	Acetone	24	ug/kg	J
S15DCA	10-14'	Benzene	1	ug/kg	J
S15DDA	20-24'	Benzene	1	ug/kg	J
S15DCA	10-14'	Chlorobenzene	1	ug/kg	J
S15DDA	20-24'	Chlorobenzene	1	ug/kg	J
S11DNA	120-122'	Chloroform	1	ug/kg	J
S11DFA	40-44'	Methyl Ethyl Ketone (2-Butanone)	26	ug/kg	
S09DAA	0-6"	Methylene Chloride	1	ug/kg	J
S09DAD	0-6"	Methylene Chloride	1	ug/kg	J
S15DAD	0-6"	Methylene Chloride	1	ug/kg	J
S15DCA	10-14'	Toluene	1	ug/kg	J
S15DDA	20-24'	Toluene	1	ug/kg	J
S09DAD	0-6"	Trichloroethylene (TCE)	1	ug/kg	J
S15DCA	10-14'	Trichloroethylene (TCE)	1	ug/kg	J
S28DAA	0-6"	Trichloroethylene (TCE)	4	ug/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
SVOCs					
S17DBA	17.5'	1,2,4-Trichlorobenzene	69	ug/kg	J
S11DOA	130-132'	3,5-Dichlorobenzoic Acid	58	ug/kg	NJ
S15DAD	0-6"	3,5-Dichlorobenzoic Acid	39	ug/kg	NJ
S06DAA	0-6"	Bis(2-Ethylhexyl) Phthalate	48	ug/kg	J
S06DAD	0-6"	Bis(2-Ethylhexyl) Phthalate	30	ug/kg	J
S11DAD	0-6"	Bis(2-Ethylhexyl) Phthalate	40	ug/kg	J
S11DEA	30-34'	Bis(2-Ethylhexyl) Phthalate	23	ug/kg	J
S11DGA	50-54'	Bis(2-Ethylhexyl) Phthalate	25	ug/kg	J
S14DCA	10-12'	Bis(2-Ethylhexyl) Phthalate	480	ug/kg	
S17DCA	53'	Bis(2-Ethylhexyl) Phthalate	27	ug/kg	J
S23DFA	35-43'	Bis(2-Ethylhexyl) Phthalate	20	ug/kg	J
S28DCA	10-14'	Bis(2-Ethylhexyl) Phthalate	35	ug/kg	J
S12DCA	10-14'	Diethyl Phthalate	120	ug/kg	J
S14DCA	10-12'	Di-N-Butyl Phthalate	34	ug/kg	J
Pesticides/Herbicides					
S17DBA	17.5'	2,4 DB	56	ug/kg	J
S17DCA	53'	Beta BHC (Beta Hexachlorocyclohexane)	1.8	ug/kg	J
S06DAD	0-6"	4,4'-DDE (1,1-Bis(Chlorophenyl)-2,2-Trichloroethylene)	2.2	ug/kg	J
S06DAD	0-6"	4,4'-DDT (1,1-Bis(Chlorophenyl)-2,2,2-Trichloroethane)	3	ug/kg	J
S09DAA	0-6"	MCPA	14000	ug/kg	J
S09DAD	0-6"	MCPA	21000	ug/kg	
S15DAA	0-6"	MCPA	6200	ug/kg	NJ
S15DAD	0-6"	MCPA	6100	ug/kg	NJ
Metals					
S06DAA	0-6"	Aluminum	15600	mg/kg	
S06DAD	0-6"	Aluminum	15400	mg/kg	
S11DEA	30-34'	Aluminum	2660	mg/kg	
S11DFA	40-44'	Aluminum	3000	mg/kg	
S12DAA	0-6"	Aluminum	8980	mg/kg	
S12DCA	10-14'	Aluminum	1870	mg/kg	
S12DEA	30-32'	Aluminum	1920	mg/kg	
S13DEA	30-34'	Aluminum	2330	mg/kg	
S13DIA	70-72'	Aluminum	2010	mg/kg	
S14DEA	30-32'	Aluminum	1930	mg/kg	
S14DFA	40-44'	Aluminum	15700	mg/kg	
S15DDA	20-24'	Aluminum	1740	mg/kg	
S28DDA	20-22'	Aluminum	1960	mg/kg	J
S29DAA	0-6"	Aluminum	13700	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S29DDA	20-22'	Aluminum	1860	mg/kg	
S29DGA	50-52'	Aluminum	2360	mg/kg	
S06DAA	0-6"	Arsenic	4.7	mg/kg	
S06DAD	0-6"	Arsenic	4.8	mg/kg	
S14DAA	0-6"	Arsenic	4.8	mg/kg	
S14DAD	0-6"	Arsenic	4.8	mg/kg	
S14DFA	40-44'	Arsenic	7.5	mg/kg	
S11DFA	40-44'	Barium	14.2	mg/kg	
S12DCA	10-14'	Barium	9.8	mg/kg	
S12DDA	20-24'	Barium	11.2	mg/kg	
S13DEA	30-34'	Barium	9.5	mg/kg	
S14DEA	30-32'	Barium	11.4	mg/kg	
S14DFA	40-44'	Barium	39.4	mg/kg	
S28DDA	20-22'	Barium	11.1	mg/kg	
S29DAA	0-6"	Barium	17.8	mg/kg	
S29DDA	20-22'	Barium	9.7	mg/kg	
S30DDA	20-22'	Barium	9.3	mg/kg	
S11DEA	30-34'	Calcium	874	mg/kg	
S11DFA	40-44'	Calcium	878	mg/kg	
S14DFA	40-44'	Calcium	1790	mg/kg	
S06DAA	0-6"	Chromium, Total	16.2	mg/kg	
S06DAD	0-6"	Chromium, Total	15.7	mg/kg	
S11DAA	0-6"	Chromium, Total	8.1	mg/kg	J
S11DAD	0-6"	Chromium, Total	9.2	mg/kg	J
S11DCA	12-16'	Chromium, Total	4.1	mg/kg	J
S11DEA	30-34'	Chromium, Total	5.1	mg/kg	
S11DFA	40-44'	Chromium, Total	6.7	mg/kg	
S11DGA	50-54'	Chromium, Total	5.7	mg/kg	
S12DAA	0-6"	Chromium, Total	8.2	mg/kg	
S12DCA	10-14'	Chromium, Total	7.4	mg/kg	J
S12DEA	30-32'	Chromium, Total	6.5	mg/kg	J
S13DDA	20-22'	Chromium, Total	10	mg/kg	
S13DEA	30-34'	Chromium, Total	4.7	mg/kg	
S13DIA	70-72'	Chromium, Total	7.8	mg/kg	
S14DAA	0-6"	Chromium, Total	13.2	mg/kg	J
S14DAD	0-6"	Chromium, Total	11.8	mg/kg	J
S14DCA	10-12'	Chromium, Total	7	mg/kg	
S14DEA	30-32'	Chromium, Total	5.8	mg/kg	J
S14DFA	40-44'	Chromium, Total	51.4	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S14DGA	50-52'	Chromium, Total	3.9	mg/kg	J
S14DHA	60-62'	Chromium, Total	7	mg/kg	
S14DIA	70-72'	Chromium, Total	6.1	mg/kg	
S14DKA	90-92'	Chromium, Total	3.9	mg/kg	J
S15DDA	20-24'	Chromium, Total	60.8	mg/kg	
S15DFA	50-52'	Chromium, Total	7.4	mg/kg	
S15DJA	90-92'	Chromium, Total	4.3	mg/kg	
S15DKA	100-102'	Chromium, Total	6.5	mg/kg	
S28DAA	0-6"	Chromium, Total	15.7	mg/kg	J
S28DCA	10-14'	Chromium, Total	6.6	mg/kg	J
S29DAA	0-6"	Chromium, Total	15.5	mg/kg	
S30DDA	20-22'	Chromium, Total	4	mg/kg	
S11DEA	30-34'	Cobalt	3.5	mg/kg	
S11DFA	40-44'	Cobalt	3.3	mg/kg	
S13DEA	30-34'	Cobalt	2.7	mg/kg	
S14DAA	0-6"	Cobalt	5.7	mg/kg	
S14DAD	0-6"	Cobalt	6.2	mg/kg	
S14DFA	40-44'	Cobalt	9.9	mg/kg	
S28DAA	0-6"	Cobalt	4	mg/kg	
S29DAA	0-6"	Cobalt	3.5	mg/kg	
S29DDA	20-22'	Cobalt	3	mg/kg	
S29DGA	50-52'	Cobalt	2.6	mg/kg	
S11DEA	30-34'	Copper	7.1	mg/kg	
S11DFA	40-44'	Copper	5.7	mg/kg	
S12DEA	30-32'	Copper	9.1	mg/kg	
S13DEA	30-34'	Copper	4	mg/kg	
S14DAA	0-6"	Copper	8	mg/kg	
S14DAD	0-6"	Copper	7.3	mg/kg	
S14DCA	10-12'	Copper	8.2	mg/kg	
S14DFA	40-44'	Copper	40.2	mg/kg	
S15DDA	20-24'	Copper	5.1	mg/kg	
S15DFA	50-52'	Copper	4.6	mg/kg	
S28DHA	60-62'	Copper	4.2	mg/kg	
S29DDA	20-22'	Copper	3.9	mg/kg	J
S30DEA	30-32'	Copper	5.5	mg/kg	
S06DAA	0-6"	Iron	15800	mg/kg	J
S06DAD	0-6"	Iron	15600	mg/kg	J
S11DCA	12-16'	Iron	3830	mg/kg	
S11DEA	30-34'	Iron	7440	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S11DFA	40-44'	Iron	7060	mg/kg	
S12DCA	10-14'	Iron	4050	mg/kg	
S12DDA	20-24'	Iron	4010	mg/kg	
S12DEA	30-32'	Iron	4620	mg/kg	
S13DDA	20-22'	Iron	4820	mg/kg	J
S13DEA	30-34'	Iron	6230	mg/kg	J
S13DIA	70-72'	Iron	4970	mg/kg	J
S14DCA	10-12'	Iron	4150	mg/kg	
S14DDA	20-22'	Iron	4180	mg/kg	
S14DEA	30-32'	Iron	4990	mg/kg	
S14DFA	40-44'	Iron	21400	mg/kg	
S14DGA	50-52'	Iron	4780	mg/kg	
S14DHA	60-62'	Iron	3560	mg/kg	
S14DIA	70-72'	Iron	3720	mg/kg	
S14DKA	90-92'	Iron	3570	mg/kg	
S15DDA	20-24'	Iron	10900	mg/kg	
S15DEA	30-32'	Iron	3330	mg/kg	
S15DFA	50-52'	Iron	3370	mg/kg	
S15DJA	90-92'	Iron	3630	mg/kg	
S15DKA	100-102'	Iron	4750	mg/kg	
S28DCA	10-14'	Iron	4260	mg/kg	J
S28DDA	20-22'	Iron	4660	mg/kg	J
S28DKA	90-92'	Iron	3480	mg/kg	J
S29DAA	0-6"	Iron	13400	mg/kg	
S29DDA	20-22'	Iron	4670	mg/kg	
S29DGA	50-52'	Iron	5410	mg/kg	
S29DIA	70-72'	Iron	3140	mg/kg	
S30DCA	10-12'	Iron	4250	mg/kg	
S30DDA	20-22'	Iron	3960	mg/kg	
S11DCA	12-16'	Lead	2.6	mg/kg	
S11DEA	30-34'	Lead	3	mg/kg	
S11DFA	40-44'	Lead	2.9	mg/kg	
S12DCA	10-14'	Lead	2.8	mg/kg	
S12DDA	20-24'	Lead	2.9	mg/kg	
S12DEA	30-32'	Lead	2.6	mg/kg	
S13DEA	30-34'	Lead	3.2	mg/kg	
S13DIA	70-72'	Lead	3.1	mg/kg	
S14DCA	10-12'	Lead	3.4	mg/kg	J
S14DEA	30-32'	Lead	3	mg/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S14DFA	40-44'	Lead	20.7	mg/kg	J
S15DDA	20-24'	Lead	2.8	mg/kg	
S28DDA	20-22'	Lead	2.8	mg/kg	
S30DCA	10-12'	Lead	2.5	mg/kg	
S06DAA	0-6"	Magnesium	1240	mg/kg	
S06DAD	0-6"	Magnesium	1210	mg/kg	
S11DAD	0-6"	Magnesium	982	mg/kg	
S11DEA	30-34'	Magnesium	1800	mg/kg	
S11DFA	40-44'	Magnesium	1490	mg/kg	
S12DCA	10-14'	Magnesium	711	mg/kg	
S12DDA	20-24'	Magnesium	588	mg/kg	
S12DEA	30-32'	Magnesium	958	mg/kg	
S13DDA	20-22'	Magnesium	571	mg/kg	
S13DEA	30-34'	Magnesium	1080	mg/kg	
S13DIA	70-72'	Magnesium	748	mg/kg	
S14DAA	0-6"	Magnesium	2070	mg/kg	
S14DAD	0-6"	Magnesium	1900	mg/kg	
S14DCA	10-12'	Magnesium	631	mg/kg	
S14DDA	20-22'	Magnesium	624	mg/kg	
S14DEA	30-32'	Magnesium	1140	mg/kg	
S14DFA	40-44'	Magnesium	6550	mg/kg	
S14DHA	60-62'	Magnesium	560	mg/kg	
S15DDA	20-24'	Magnesium	836	mg/kg	
S15DKA	100-102'	Magnesium	821	mg/kg	
S28DAA	0-6"	Magnesium	2240	mg/kg	
S28DDA	20-22'	Magnesium	912	mg/kg	
S29DAA	0-6"	Magnesium	1530	mg/kg	
S29DDA	20-22'	Magnesium	940	mg/kg	
S29DGA	50-52'	Magnesium	1190	mg/kg	
S29DIA	70-72'	Magnesium	574	mg/kg	
S30DDA	20-22'	Magnesium	624	mg/kg	
S14DFA	40-44'	Manganese	407	mg/kg	
S06DAD	0-6"	Mercury	0.06	mg/kg	J
S11DAD	0-6"	Mercury	0.06	mg/kg	J
S11DEA	30-34'	Mercury	0.14	mg/kg	
S11DKA	90-92'	Mercury	0.07	mg/kg	
S11DMA	110-112'	Mercury	0.64	mg/kg	
S11DOA	130-132'	Mercury	0.19	mg/kg	
S12DGA	50-52'	Mercury	0.06	mg/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S15DAA	0-6"	Mercury	0.06	mg/kg	J
S28DEA	30-32'	Mercury	0.11	mg/kg	
S11DAA	0-6"	Nickel	19.3	mg/kg	
S11DFA	40-44'	Nickel	5.3	mg/kg	
S12DEA	30-32'	Nickel	6	mg/kg	
S14DAA	0-6"	Nickel	8.6	mg/kg	
S14DAD	0-6"	Nickel	8.2	mg/kg	
S14DFA	40-44'	Nickel	51.9	mg/kg	
S28DAA	0-6"	Nickel	8.9	mg/kg	
S12DDA	20-24'	Potassium	617	mg/kg	
S14DAA	0-6"	Potassium	893	mg/kg	
S14DAD	0-6"	Potassium	819	mg/kg	
S14DFA	40-44'	Potassium	1910	mg/kg	
S28DDA	20-22'	Potassium	624	mg/kg	
S06DAD	0-6"	Selenium	0.97	mg/kg	J
S09DAA	0-6"	Selenium	0.62	mg/kg	J
S09DAD	0-6"	Selenium	0.79	mg/kg	J
S11DAD	0-6"	Selenium	0.83	mg/kg	J
S14DAA	0-6"	Selenium	0.79	mg/kg	J
S14DAD	0-6"	Selenium	0.8	mg/kg	J
S15DAA	0-6"	Selenium	0.52	mg/kg	J
S28DAA	0-6"	Selenium	0.89	mg/kg	J
S29DAA	0-6"	Selenium	0.97	mg/kg	J
S14DFA	40-44'	Sodium	3390	mg/kg	
S06DAA	0-6"	Vanadium	26.8	mg/kg	
S06DAD	0-6"	Vanadium	26.1	mg/kg	
S11DEA	30-34'	Vanadium	9.4	mg/kg	
S11DFA	40-44'	Vanadium	6.9	mg/kg	
S12DAA	0-6"	Vanadium	12.8	mg/kg	
S12DEA	30-32'	Vanadium	6.8	mg/kg	
S13DEA	30-34'	Vanadium	7.3	mg/kg	
S13DIA	70-72'	Vanadium	6.6	mg/kg	
S14DEA	30-32'	Vanadium	9.2	mg/kg	
S14DFA	40-44'	Vanadium	45.8	mg/kg	
S15DEA	30-32'	Vanadium	5.9	mg/kg	
S15DJA	90-92'	Vanadium	5.7	mg/kg	
S15DKA	100-102'	Vanadium	7.5	mg/kg	
S28DCA	10-14'	Vanadium	5.7	mg/kg	
S28DDA	20-22'	Vanadium	6	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S28DKA	90-92'	Vanadium	6.7	mg/kg	
S29DAA	0-6"	Vanadium	21.7	mg/kg	
S30DCA	10-12'	Vanadium	7.1	mg/kg	
S11DEA	30-34'	Zinc	18.3	mg/kg	
S11DFA	40-44'	Zinc	23.8	mg/kg	
S12DCA	10-14'	Zinc	20.8	mg/kg	J
S12DEA	30-32'	Zinc	21.2	mg/kg	J
S13DEA	30-34'	Zinc	18.3	mg/kg	
S14DAA	0-6"	Zinc	23	mg/kg	J
S14DAD	0-6"	Zinc	21.6	mg/kg	J
S14DFA	40-44'	Zinc	77.2	mg/kg	
S28DDA	20-22'	Zinc	25.4	mg/kg	J
S28DFA	40-42'	Zinc	26.7	mg/kg	J
S29DAA	0-6"	Zinc	24.1	mg/kg	
Anions					
S06DAA	0-6"	Nitrate/Nitrite (As N)	0.13	mg/kg	
S06DAD	0-6"	Nitrate/Nitrite (As N)	1.1	mg/kg	
S09DAA	0-6"	Nitrate/Nitrite (As N)	0.12	mg/kg	
S09DAD	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
S11DAA	0-6"	Nitrate/Nitrite (As N)	0.22	mg/kg	
S11DAD	0-6"	Nitrate/Nitrite (As N)	0.21	mg/kg	
S11DCA	12-16'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S11DDA	20-22'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S11DEA	30-34'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DFA	40-44'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DGA	50-54'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DHA	60-64'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DIA	70-72'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S11DJA	80-82'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DKA	90-92'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DLA	100-102'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S11DMA	110-112'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S11DNA	120-122'	Nitrate/Nitrite (As N)	0.06	mg/kg	
S11DOA	130-132'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S12DAA	0-6"	Nitrate/Nitrite (As N)	0.26	mg/kg	
S12DCA	10-14'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S12DDA	20-24'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S12DEA	30-32'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S12DFA	40-42'	Nitrate/Nitrite (As N)	0.03	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S12DGA	50-52'	Nitrate/Nitrite (As N)	0.01	mg/kg	
S12DHA	60-62'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S12DIA	70-72'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S12DJA	80-82'	Nitrate/Nitrite (As N)	0.06	mg/kg	
S12DKA	92-94'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S12DLA	100-102'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S13DDA	20-22'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S13DEA	30-34'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S13DIA	70-72'	Nitrate/Nitrite (As N)	0.11	mg/kg	
S14DAA	0-6"	Nitrate/Nitrite (As N)	0.02	mg/kg	
S14DCA	10-12'	Nitrate/Nitrite (As N)	0.06	mg/kg	J
S14DDA	20-22'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S14DEA	30-32'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S14DFA	40-44'	Nitrate/Nitrite (As N)	0.1	mg/kg	J
S14DGA	50-52'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S14DHA	60-62'	Nitrate/Nitrite (As N)	0.06	mg/kg	J
S14DIA	70-72'	Nitrate/Nitrite (As N)	0.05	mg/kg	J
S14DJA	82-84'	Nitrate/Nitrite (As N)	0.05	mg/kg	J
S14DKA	90-92'	Nitrate/Nitrite (As N)	0.04	mg/kg	J
S15DAA	0-6"	Nitrate/Nitrite (As N)	0.03	mg/kg	
S15DAD	0-6"	Nitrate/Nitrite (As N)	0.03	mg/kg	
S15DCA	10-14'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S15DEA	30-32'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S15DFA	50-52'	Nitrate/Nitrite (As N)	0.01	mg/kg	
S15DGA	60-62'	Nitrate/Nitrite (As N)	0.11	mg/kg	
S15DHA	70-72'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S15DIA	80-82'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S15DJA	90-92'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S15DKA	100-102'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S28DAA	0-6"	Nitrate/Nitrite (As N)	0.06	mg/kg	
S28DCA	10-14'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S28DDA	20-22'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S28DEA	30-32'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S28DFA	40-42'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S28DGA	51-53'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S28DHA	60-62'	Nitrate/Nitrite (As N)	0.03	mg/kg	
S28DIA	70-72'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S28DJA	82-84'	Nitrate/Nitrite (As N)	0.04	mg/kg	
S28DKA	90-92'	Nitrate/Nitrite (As N)	0.05	mg/kg	

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S28DLA	100-102'	Nitrate/Nitrite (As N)	0.07	mg/kg	
S29DAA	0-6"	Nitrate/Nitrite (As N)	0.01	mg/kg	
S29DCA	10-14'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DDA	20-22'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DEA	30-32'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DFA	40-44'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DGA	50-52'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DHA	60-62'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DIA	70-72'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DJA	80-82'	Nitrate/Nitrite (As N)	0.01	mg/kg	
S29DKA	92-94'	Nitrate/Nitrite (As N)	0.02	mg/kg	
S29DLA	100-102'	Nitrate/Nitrite (As N)	0.05	mg/kg	
S30DCA	10-12'	Nitrate/Nitrite (As N)	0.01	mg/kg	J
S30DDA	20-22'	Nitrate/Nitrite (As N)	0.03	mg/kg	J
S06DAA	0-6"	Nitrogen, Ammonia (As N)	13	mg/kg	J
S06DAD	0-6"	Nitrogen, Ammonia (As N)	24.5	mg/kg	
S09DAA	0-6"	Nitrogen, Ammonia (As N)	5.1	mg/kg	J
S09DAD	0-6"	Nitrogen, Ammonia (As N)	9.1	mg/kg	J
S11DAA	0-6"	Nitrogen, Ammonia (As N)	5.3	mg/kg	J
S11DAD	0-6"	Nitrogen, Ammonia (As N)	5.6	mg/kg	J
S11DEA	30-34'	Nitrogen, Ammonia (As N)	5	mg/kg	
S11DFA	40-44'	Nitrogen, Ammonia (As N)	3.3	mg/kg	
S11DKA	90-92'	Nitrogen, Ammonia (As N)	2.6	mg/kg	
S12DAA	0-6"	Nitrogen, Ammonia (As N)	17.1	mg/kg	
S13DDA	20-22'	Nitrogen, Ammonia (As N)	3.1	mg/kg	J
S13DEA	30-34'	Nitrogen, Ammonia (As N)	2.3	mg/kg	J
S13DIA	70-72'	Nitrogen, Ammonia (As N)	2.9	mg/kg	J
S14DCA	10-12'	Nitrogen, Ammonia (As N)	8.2	mg/kg	J
S14DHA	60-62'	Nitrogen, Ammonia (As N)	2.3	mg/kg	J
S15DAA	0-6"	Nitrogen, Ammonia (As N)	6.8	mg/kg	J
S15DAD	0-6"	Nitrogen, Ammonia (As N)	5.3	mg/kg	J
S28DAA	0-6"	Nitrogen, Ammonia (As N)	5.5	mg/kg	J
S28DCA	10-14'	Nitrogen, Ammonia (As N)	13	mg/kg	J
S28DDA	20-22'	Nitrogen, Ammonia (As N)	2.5	mg/kg	J
S28DFA	40-42'	Nitrogen, Ammonia (As N)	3.6	mg/kg	J
S28DLA	100-102'	Nitrogen, Ammonia (As N)	14.6	mg/kg	J
S29DLA	100-102'	Nitrogen, Ammonia (As N)	28	mg/kg	
S30DDA	20-22'	Nitrogen, Ammonia (As N)	3	mg/kg	J
S30DEA	30-32'	Nitrogen, Ammonia (As N)	4.8	mg/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S06DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	149	mg/kg	J
S06DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	145	mg/kg	J
S09DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	82	mg/kg	J
S09DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	82	mg/kg	J
S11DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	104	mg/kg	J
S11DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	76	mg/kg	J
S11DCA	12-16'	Phosphorus, Total Orthophosphate (As PO ₄)	65	mg/kg	J
S11DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	88	mg/kg	J
S11DEA	30-34'	Phosphorus, Total Orthophosphate (As PO ₄)	111	mg/kg	J
S11DFA	40-44'	Phosphorus, Total Orthophosphate (As PO ₄)	115	mg/kg	J
S11DGA	50-54'	Phosphorus, Total Orthophosphate (As PO ₄)	29	mg/kg	J
S11DHA	60-64'	Phosphorus, Total Orthophosphate (As PO ₄)	44	mg/kg	J
S11DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	36	mg/kg	J
S11DJA	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	42	mg/kg	J
S11DKA	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	23	mg/kg	J
S11DLA	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	43	mg/kg	J
S11DMA	110-112'	Phosphorus, Total Orthophosphate (As PO ₄)	36	mg/kg	J
S11DNA	120-122'	Phosphorus, Total Orthophosphate (As PO ₄)	23	mg/kg	J
S11DOA	130-132'	Phosphorus, Total Orthophosphate (As PO ₄)	23	mg/kg	J
S12DCA	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
S12DDA	20-24'	Phosphorus, Total Orthophosphate (As PO ₄)	111	mg/kg	J
S12DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	88	mg/kg	J
S12DFA	40-42'	Phosphorus, Total Orthophosphate (As PO ₄)	47	mg/kg	J
S12DGA	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	45	mg/kg	J
S12DHA	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	27	mg/kg	J
S12DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	24	mg/kg	J
S12DJA	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	35	mg/kg	J
S12DKA	92-94'	Phosphorus, Total Orthophosphate (As PO ₄)	43	mg/kg	J
S12DLA	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	29	mg/kg	J
S13DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	96.1	mg/kg	J
S13DEA	30-34'	Phosphorus, Total Orthophosphate (As PO ₄)	104	mg/kg	J
S13DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	101	mg/kg	J
S14DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
S14DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	72.1	mg/kg	J
S14DCA	10-12'	Phosphorus, Total Orthophosphate (As PO ₄)	103	mg/kg	J
S14DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	74.3	mg/kg	J
S14DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	86.6	mg/kg	J
S14DFA	40-44'	Phosphorus, Total Orthophosphate (As PO ₄)	359	mg/kg	J
S14DGA	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	40.9	mg/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
S14DHA	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	33.9	mg/kg	J
S14DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	69.5	mg/kg	J
S14DJA	82-84'	Phosphorus, Total Orthophosphate (As PO ₄)	55.9	mg/kg	J
S14DKA	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	79.9	mg/kg	J
S15DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	66	mg/kg	J
S15DAD	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	81	mg/kg	J
S15DCA	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	49	mg/kg	J
S15DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	69	mg/kg	J
S15DFA	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	65	mg/kg	J
S15DGA	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	50	mg/kg	J
S15DHA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	32	mg/kg	J
S15DIA	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	64	mg/kg	J
S15DJA	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	65	mg/kg	J
S15DKA	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	85	mg/kg	J
S28DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	79.8	mg/kg	J
S28DCA	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	81.8	mg/kg	J
S28DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	106	mg/kg	J
S28DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	35.6	mg/kg	J
S28DFA	40-42'	Phosphorus, Total Orthophosphate (As PO ₄)	59.4	mg/kg	J
S28DGA	51-53'	Phosphorus, Total Orthophosphate (As PO ₄)	122	mg/kg	J
S28DHA	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	63.9	mg/kg	J
S28DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	37.2	mg/kg	J
S28DJA	82-84'	Phosphorus, Total Orthophosphate (As PO ₄)	102	mg/kg	J
S28DKA	90-92'	Phosphorus, Total Orthophosphate (As PO ₄)	51	mg/kg	J
S28DLA	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	33.1	mg/kg	J
S29DAA	0-6"	Phosphorus, Total Orthophosphate (As PO ₄)	121	mg/kg	J
S29DCA	10-14'	Phosphorus, Total Orthophosphate (As PO ₄)	87.1	mg/kg	J
S29DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	86.4	mg/kg	J
S29DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	66.1	mg/kg	J
S29DFA	40-44'	Phosphorus, Total Orthophosphate (As PO ₄)	49.1	mg/kg	J
S29DGA	50-52'	Phosphorus, Total Orthophosphate (As PO ₄)	50	mg/kg	J
S29DHA	60-62'	Phosphorus, Total Orthophosphate (As PO ₄)	23.3	mg/kg	J
S29DIA	70-72'	Phosphorus, Total Orthophosphate (As PO ₄)	74.1	mg/kg	J
S29DJA	80-82'	Phosphorus, Total Orthophosphate (As PO ₄)	24.5	mg/kg	J
S29DKA	92-94'	Phosphorus, Total Orthophosphate (As PO ₄)	45.4	mg/kg	J
S29DLA	100-102'	Phosphorus, Total Orthophosphate (As PO ₄)	38.6	mg/kg	J
S30DCA	10-12'	Phosphorus, Total Orthophosphate (As PO ₄)	63.9	mg/kg	J
S30DDA	20-22'	Phosphorus, Total Orthophosphate (As PO ₄)	99.2	mg/kg	J
S30DEA	30-32'	Phosphorus, Total Orthophosphate (As PO ₄)	39.7	mg/kg	J

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Table 3.2.12. Detects of Analytes in Soil from Borings Not Associated With Areas

Ogden ID	Depth	Analyte	Result	Units	Qualifier
Qualifiers: J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.					

3.3 Groundwater Samples

Validated groundwater sample results for all analytes were only available from six wells, with one duplicate sample. The wells include MW-9S, MW-18D, MW-21S, MW-23S, MW-23D, and the Schooner Pass Condominium well. Validated groundwater sample results for explosives were available for five additional wells that had explosives detected, including MW-1S, MW-1M, MW-16S, MW-23M1, and MW-30S. The principal contaminants identified within the area of study in groundwater are the explosive compounds RDX, HMX, Picric Acid, and PETN. Validated results are summarized by analyte type in the following subsections.

Water samples were also collected as grab or "profile" samples during advancement of the borings. The results of these samples were used to determine well screen depths. In several cases, analytes were detected in the profile samples that were not confirmed by analysis of the same depth interval from the completed well. These detections in the profile samples may have been caused by high turbidity due to the nature of drilling, or by introduction of grease from the drill casing. A comparison of the profile results with the completed well samples will be made as part of the Completion of Work Report, once additional validated monitoring well data are available.

3.3.1 Explosives

RDX (0.59 ug/L), HMX (2.5 ug/L), and PETN (58 ug/L) were found in the shallow MW-1S with RDX (4.6 ug/L) present in the intermediate MW-1M (Table 3.3.1). RDX and PA (1.3 and 0.29 ug/L, respectively) were detected at the water table in MW-16S. The intermediate depth well MW-23M1 had a detect of RDX at 2.3 ug/L. No detects of TNT have been observed in any groundwater sample, although 0.52 ug/L of 4-amino-2,6-dinitrotoluene (4-Am-2,6-DNT) has been detected in MW-30S along with HMX (12 ug/L). The compound 4-Am-2,6-DNT is a degradation product of TNT.

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Table 3.3.1. Detects of explosive compounds in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Result	Units	Qualifier
Well 1S	W01SSA	72.65 - 62.75	0 - 10	HMX	0.59	(ug/L)	
Well 1S	W01SSA	72.65 - 62.75	0 - 10	RDX	2.5	(ug/L)	
Well 1S	W01SSA	72.65 - 62.75	0 - 10	PETN	58	(ug/L)	
Well 1S dup	W01SSD	72.65 - 62.75	0 - 10	HMX	0.53	(ug/L)	
Well 1S dup	W01SSD	72.65 - 62.75	0 - 10	RDX	2.4	(ug/L)	
Well 1S dup	W01SSD	72.65 - 62.75	0 - 10	PETN	51	(ug/L)	
Well 1M	W01MMA	26.73 - 21.73	40 - 45	RDX	4.6	(ug/L)	
Well 16S	W16SSA	64.14 - 54.14	0 - 10	RDX	1.3	(ug/L)	
Well 16S	W16SSA	64.14 - 54.14	0 - 10	Picric Acid	0.29	(ug/L)	
Well 18D	W18DDA	-159.29 to -169.9	99-109	Picric Acid	0.56	(ug/L)	J
Well 23M1	W23M1A	-39.28 to -49.28	99 - 109	RDX	2.3	(ug/L)	
Well 30S	W30SSA	73.64 - 63.64	0 - 10	HMX	12	(ug/L)	
Well 30S	W30SSA	73.64 - 63.64	0 - 10	4-Am-2,6-DNT	0.52	(ug/L)	

ft amsl = feet above mean sea level
ft BWT = feet below water table
dup = duplicate analysis
Qualifiers:
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

3.3.2 Volatile Organic Compounds

Chloroform was detected in five of the six wells, at concentrations up to 1 ug/l (Table 3.3.2). No other VOCs, EDB, or MTBE were detected in the six wells.

Table 3.3.2. Detects of volatile organic compounds in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Result	Units	Qualifier
Schooner Pass	WSCNRA	unknown	unknown	Chloroform	0.8	ug/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Chloroform	0.7	ug/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Chloroform	1	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Chloroform	0.6	ug/l	J
Well 9S	W09SSA	69.71 - 59.71	0-10	Chloroform	0.4	ug/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Chloroform	0.4	ug/l	J

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Table 3.3.2. Detects of volatile organic compounds in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Result	Units	Qualifier
ft amsl = feet above mean sea level ft BWT = feet below water table dup = duplicate analysis Qualifiers: J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.							

3.3.3 Semi-Volatile Organic Compounds

Bis(2-ethylhexyl) phthalate was detected in four of the six wells, in concentrations up to 24 ug/l (Table 3.3.3). No other SVOCs were detected in these six wells.

Table 3.3.3. Detects of semi-volatile organic compounds in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Result	Units	Qual
Well 18D	W18DDA	-159.29 to -169.20	223-233	Bis(2-ethylhexyl) phthalate	1	UG/L	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Bis(2-ethylhexyl) phthalate	1	UG/L	J
Well 23S	W23SSA	63.07 - 53.07	0-10	Bis(2-ethylhexyl) phthalate	24	UG/L	
Well 9S	W09SSA	69.71 - 59.71	0-10	Bis(2-ethylhexyl) phthalate	4	UG/L	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Bis(2-ethylhexyl) phthalate	5	UG/L	
ft amsl = feet above mean sea level ft BWT = feet below water table dup = duplicate analysis Qualifiers: J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.							

3.3.4 Pesticides/Herbicides

No pesticides, herbicides, or PCBs were detected in any of the validated groundwater samples.

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3.3.5 Inorganics

The inorganics include metals (total analysis, i.e. unfiltered), cyanide, and anions, which were detected in most samples. These elements are naturally occurring but also can constitute pollutants. Comparisons were made between the groundwater inorganic levels measured in this study and the background upper 95 percent tolerance limit developed by HAZWRAP (1994). The following 14 metals were detected above the HAZWRAP (1994) background upper 95 percent tolerance limit: aluminum, barium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, potassium, sodium, thallium, and, vanadium (Table 3.3.5).

The groundwater inorganics concentrations are compared with drinking water standards in Section 4.1 of this report (thallium and sodium exceed MCLs in one sample each). Secondary maximum contaminant levels (SMCLs) developed by EPA exist for aluminum, iron, and manganese at 50 to 200, 300, and 50 ug/L, respectively. SMCLs are drinking water guidelines governing the taste, odor, color, and certain non-aesthetic properties of drinking water. The majority of the well samples exceeded the SMCLs for aluminum, iron, and manganese.

Aluminum, iron, and manganese commonly are present as solids suspended in groundwater samples. These metals are common elements present in the Earth's crust. Iron and manganese oxyhydroxide coatings are often present on gravel material associated with glacier deposits. Aluminum is present in many clays. Suspended solids can result from the installation of monitoring wells or from naturally occurring colloids. In low permeability formations it is often difficult to adequately develop a well to eliminate all suspended solids resulting from well installation. Several data analysis methods are useful to discern the reliability of the total metal analysis as an indicator of contamination. One approach is to compare the total metal analysis with the dissolved metal analysis (filtered). Another is to compare both the total and dissolved metal results with field turbidity measurements. Turbidity is a measurement of the amount of suspended material in a sample. A final approach is to assess the total metal results in the context of geochemical equilibria. This involves preparing graphs that include the pH, electrical potential (Eh) and known solid and dissolved species of the metal in question. These types of analyses will be conducted as part of the Completion of Work Report.

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Table 3.3.5. Detects of inorganic analytes in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Conc.	Units	Qual
Well 9S	W09SSA	69.71 - 59.71	0-10	Alkalinity Bicarbonate (as CaCO ₃)	3	mg/L	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Alkalinity Bicarbonate (as CaCO ₃)	4	mg/L	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Alkalinity Bicarbonate (as CaCO ₃)	30	mg/L	
Well 21S	W21SSA	72.32 - 62.32	0-10	Alkalinity Bicarbonate (as CaCO ₃)	15	mg/L	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Alkalinity Bicarbonate (as CaCO ₃)	13	mg/L	
Well 23S	W23SSA	63.07 - 53.07	0-10	Alkalinity Bicarbonate (as CaCO ₃)	11	mg/L	
Schooner Pass	WSCNRA	unknown	unknown	Alkalinity Bicarbonate (as CaCO ₃)	5	mg/L	
Well 9S	W09SSA	69.71 - 59.71	0-10	Alkalinity, Total (as CaCO ₃)			
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Alkalinity, Total (as CaCO ₃)			
Well 18D	W18DDA	-159.29 to -169.20	223-233	Alkalinity, Total (as CaCO ₃)			
Well 21S	W21SSA	72.32 - 62.32	0-10	Alkalinity, Total (as CaCO ₃)			
Well 23D	W23DDA	-86.44 to -96.44	146-156	Alkalinity, Total (as CaCO ₃)			
Well 23S	W23SSA	63.07 - 53.07	0-10	Alkalinity, Total (as CaCO ₃)			
Schooner Pass	WSCNRA	unknown	unknown	Alkalinity, Total (as CaCO ₃)			
Well 9S	W09SSA	69.71 - 59.71	0-10	Aluminum	29.9	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Aluminum	1020	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Aluminum	1440	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Aluminum	214	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Aluminum	245	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Barium	21.2	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Barium	27.9	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Barium	14.8	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Barium	16	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Barium	7	ug/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Barium	7.1	ug/l	J
Schooner Pass	WSCNRA	unknown	unknown	Calcium	1710	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Calcium	7540	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Calcium	7030	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Calcium	3150	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Calcium	2680	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Calcium	1350	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Calcium	1310	ug/l	
Schooner Pass	WSCNRA	unknown	unknown	Chloride (as Cl)	8.07	mg/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Chloride (as Cl)	8.36	mg/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Chloride (as Cl)	41.7	mg/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Chloride (as Cl)	7.4	mg/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Chloride (as Cl)	6.8	mg/l	

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Table 3.3.5. Detects of inorganic analytes in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Conc.	Units	Qual
Well 9S	W09SSA	69.71 - 59.71	0-10	Chloride (as Cl)	7	mg/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Chloride (as Cl)	7	mg/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Chromium, total	4.9	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Chromium, total	1.4	ug/l	J
Well 9S	W09SSA	69.71 - 59.71	0-10	Chromium, total	1.5	ug/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Chromium, total	0.96	ug/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Cobalt	1.6	ug/l	J
Well 23S	W23SSA	63.07 - 53.07	0-10	Cobalt	3.6	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Cobalt	1.7	ug/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Cobalt	1.6	ug/l	J
Schooner Pass	W5CNRA	unknown	unknown	Copper	2.5	ug/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Copper	1.2	ug/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Copper	2.3	ug/l	J
Schooner Pass	W5CNRA	unknown	unknown	Hardness (as CaCO ₃)	8	mg/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Hardness (as CaCO ₃)	30	mg/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Hardness (as CaCO ₃)	15	mg/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Hardness (as CaCO ₃)	14	mg/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Hardness (as CaCO ₃)	10	mg/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Hardness (as CaCO ₃)	10	mg/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Iron	2220	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Iron	1640	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Iron	779	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Iron	339	ug/l	
Schooner Pass	W5CNRA	unknown	unknown	Magnesium	1080	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Magnesium	3210	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Magnesium	3080	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Magnesium	1420	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Magnesium	1480	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Magnesium	1240	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Magnesium	1200	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Manganese	251	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Manganese	326	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Manganese	205	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Manganese	208	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Manganese	43.2	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Manganese	52.1	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Nickel	3.4	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Nickel	1.8	ug/l	J

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Table 3.3.5. Detects of inorganic analytes in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Conc.	Units	Qual
Well 23S	W23SSA	63.07 - 53.07	0-10	Nickel	2.9	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Nickel	8.3	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Nickel	8	ug/l	
Schooner Pass	WSCNRA	unknown	unknown	Nitrate/nitrite (as N)	0.08	mg/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Nitrate/nitrite (as N)	0.1	mg/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Nitrate/nitrite (as N)	0.02	mg/l	J
Well 23S	W23SSA	63.07 - 53.07	0-10	Nitrate/nitrite (as N)	0.59	mg/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Nitrate/nitrite (as N)	0.02	mg/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Nitrate/nitrite (as N)	0.02	mg/l	J
Schooner Pass	WSCNRA	unknown	unknown	Nitrogen, ammonia (as N)	0.02	mg/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Nitrogen, ammonia (as N)	0.03	mg/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Nitrogen, ammonia (as N)	0.03	mg/l	J
Schooner Pass	WSCNRA	unknown	unknown	Phosphorus, orthophosphate (as PO ₄)	0.05	mg/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Phosphorus, orthophosphate (as PO ₄)	0.28	mg/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Phosphorus, orthophosphate (as PO ₄)	0.08	mg/l	J
Well 23D	W23DDA	-86.44 to -96.44	146-156	Phosphorus, orthophosphate (as PO ₄)	0.03	mg/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Phosphorus, orthophosphate (as PO ₄)	0.02	mg/l	
Schooner Pass	WSCNRA	unknown	unknown	Potassium	665	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Potassium	1610	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Potassium	2190	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Potassium	895	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Potassium	1270	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Potassium	742	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Potassium	747	ug/l	
Schooner Pass	WSCNRA	unknown	unknown	Sodium	5780	ug/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Sodium	7760	ug/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Sodium	24000	ug/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Sodium	6280	ug/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Sodium	6860	ug/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Sodium	4630	ug/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Sodium	4240	ug/l	
Schooner Pass	WSCNRA	unknown	unknown	Sulfate (as SO ₄)	4.89	mg/l	
Well 18D	W18DDA	-159.29 to -169.20	223-233	Sulfate (as SO ₄)	9.4	mg/l	
Well 21S	W21SSA	72.32 - 62.32	0-10	Sulfate (as SO ₄)	7.5	mg/l	
Well 23D	W23DDA	-86.44 to -96.44	146-156	Sulfate (as SO ₄)	4.8	mg/l	
Well 23S	W23SSA	63.07 - 53.07	0-10	Sulfate (as SO ₄)	7.1	mg/l	
Well 9S	W09SSA	69.71 - 59.71	0-10	Sulfate (as SO ₄)	6.3	mg/l	
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Sulfate (as SO ₄)	6.4	mg/l	

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Table 3.3.5. Detects of inorganic analytes in monitoring wells.

Monitoring Well ID	Ogden Sample ID	Screen Elevation (ft amsl)	Depth of Screen (ft BWT)	Analyte	Conc.	Units	Qual
Well 21S	W21SSA	72.32 - 62.32	0-10	Thallium	6.9	ug/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Total organic carbon	0.6	mg/l	J
Well 21S	W21SSA	72.32 - 62.32	0-10	Total organic carbon	0.7	mg/l	J
Well 23D	W23DDA	-86.44 to -96.44	146-156	Total organic carbon	0.7	mg/l	J
Well 23S	W23SSA	63.07 - 53.07	0-10	Total organic carbon	0.8	mg/l	J
Well 9S	W09SSA	69.71 - 59.71	0-10	Total organic carbon	0.6	mg/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Total organic carbon	0.4	mg/l	J
Well 18D	W18DDA	-159.29 to -169.20	223-233	Vanadium	1.8	ug/l	J
Well 23D	W23DDA	-86.44 to -96.44	146-156	Vanadium	1.3	ug/l	J
Well 9S	W09SSA	69.71 - 59.71	0-10	Vanadium	1.3	ug/l	J
Well 9S dup	W09SSD	69.71 - 59.71	0-10	Vanadium	1.6	ug/l	J
Schooner Pass	WSCNRA	unknown	unknown	Zinc	34.3	ug/l	

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4. DATA EVALUATION

4.1 Preliminary Risk Evaluation

Risk evaluation procedures for the Impact Area Groundwater Study have been proposed to EPA, but not yet approved or finalized. As such, evaluation of the present data in the context of human health is limited to comparison of observations in well water to health-based water criteria. The criteria that have been used to date for this comparison are drinking water standards and health advisories, and these criteria will be applied here.

The drinking water standards are generally in the form Maximum Contaminant Levels (MCLs), and are enforceable concentration limits that are set by the EPA Office of Drinking Water. They are health based in that they are set to be as close as feasible to a concentration that would have little or no adverse health effect in sensitive members of a population ingesting up to 2 liters of water per day. The MCLs are not always entirely health-based in that the EPA must account for the technical feasibility of achieving a purely health-based limit in defining a legally enforceable standard. However, the margins of safety on MCLs make the limits protective even where some upward adjustment has been made. It is of note that two compounds, lead and copper, have drinking water standards entirely based on technology. Thus, copper and lead have "Action Levels" (as opposed to MCLs) at which efforts to reduce concentrations should be taken.

Health Advisories (HAs) are also developed by the EPA Office of Drinking Water, but are not enforceable standards. HAs are determined solely on achieving a health protective limit, without regard to technical feasibility. HAs are calculated based on a similar exposure assumption as the MCLs, i.e., that humans may ingest compounds in their drinking water. HAs are calculated separately for lifetime exposures and for "longer term" exposures (i.e., ingestion of water daily for up to seven years). The longer term HAs account for differences in size and consumption of water in children versus adults, so that there are longer term HAs for children and adults reported separately.

Table 4.1 provides data on compounds observed in the water wells available for this report, as well as explosives data for certain wells where data validation was accelerated, but full analytical suites have not been placed in the database. Like the tables in Section 3 of this report, this presentation is a subset of the water well data where non-detected compounds and inorganic compounds less than background have been removed. For those compounds for which MCLs or HAs exist, the criteria are presented to the right of the reported concentration. Concentrations exceeding the health-based criteria are shaded.

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Table 4.1. Observed Concentration of Compounds in Monitoring Wells Compared to Health-Based Limits.

Ogden Sample ID	Analyte	Result	Units	Qualifier	MCL (a)	Health Advisory (a)
W01SSA	HMX	0.59	ug/l			400 (b)
W01SSD	HMX	0.53	ug/l			400 (b)
W30SSA	HMX	12	ug/l			400 (b)
W01SSA	RDX	2.5	ug/l			2 (b)
W01SSD	RDX	2.4	ug/l			2 (b)
W01MMA	RDX	4.6	ug/l			2 (b)
W23M1A	RDX	2.3	ug/l			2 (b)
W16SSA	RDX	1.3	ug/l			2 (b)
W01SSA	PETN	58	ug/l			
W01SSD	PETN	51	ug/l			
W16SSA	Picric Acid	0.29	ug/l			
W18DDA	Picric Acid	0.56	ug/l	J		
W30SSA	4-Am-2,6-DNT	0.52	ug/l			
W09SSA	Aluminum	29.9	ug/l			
W18DDA	Aluminum	1020	ug/l			
W21SSA	Aluminum	1440	ug/l			
W23DDA	Aluminum	214	ug/l			
W23SSA	Aluminum	245	ug/l			
W09SSA	Barium	7	ug/l	J	2000	2000 (b)
W09SSD	Barium	7.1	ug/l	J	2000	2000 (b)
W18DDA	Barium	21.2	ug/l		2000	2000 (b)
W21SSA	Barium	27.9	ug/l		2000	2000 (b)
W23DDA	Barium	14.8	ug/l		2000	2000 (b)
W23SSA	Barium	16	ug/l		2000	2000 (b)
W09SSA	Bis(2-Ethylhexyl) Phthalate	4	ug/l	J	6	
W09SSD	Bis(2-Ethylhexyl) Phthalate	5	ug/l		6	
W18DDA	Bis(2-Ethylhexyl) Phthalate	1	ug/l	J	6	
W21SSA	Bis(2-Ethylhexyl) Phthalate	1	ug/l	J	6	
W23SSA	Bis(2-Ethylhexyl) Phthalate	24	ug/l		6	
W09SSA	Calcium	1350	ug/l			
W09SSD	Calcium	1310	ug/l			
W18DDA	Calcium	7540	ug/l			
W21SSA	Calcium	7030	ug/l			
W23DDA	Calcium	3150	ug/l			
W23SSA	Calcium	2680	ug/l			

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Table 4.1. Observed Concentration of Compounds in Monitoring Wells Compared to Health-Based Limits.

Ogden Sample ID	Analyte	Result	Units	Qualifier	MCL (a)	Health Advisory (a)
WSCNRA	Calcium	1710	ug/l			
W09SSA	Chloride (As Cl)	7	mg/l			
W09SSD	Chloride (As Cl)	7	mg/l			
W18DDA	Chloride (As Cl)	8.36	mg/l			
W21SSA	Chloride (As Cl)	41.7	mg/l			
W23DDA	Chloride (As Cl)	7.4	mg/l			
W23SSA	Chloride (As Cl)	6.8	mg/l			
WSCNRA	Chloride (As Cl)	8.07	mg/l			
W09SSA	Chloroform	0.4	ug/l	J	100	100 (c)
W09SSD	Chloroform	0.4	ug/l	J	100	100 (c)
W18DDA	Chloroform	0.7	ug/l	J	100	100 (c)
W21SSA	Chloroform	1	ug/l		100	100 (c)
W23SSA	Chloroform	0.6	ug/l	J	100	100 (c)
WSCNRA	Chloroform	0.8	ug/l	J	100	100 (c)
W09SSA	Chromium, Total	1.5	ug/l	J	100	100 (c)
W09SSD	Chromium, Total	0.96	ug/l	J	100	100 (c)
W21SSA	Chromium, Total	4.9	ug/l		100	100 (c)
W23DDA	Chromium, Total	1.4	ug/l	J	100	100 (c)
W09SSA	Cobalt	1.7	ug/l	J		
W09SSD	Cobalt	1.6	ug/l	J		
W21SSA	Cobalt	1.6	ug/l	J		
W23SSA	Cobalt	3.6	ug/l			
W18DDA	Copper	1.2	ug/l	J	1300 (d)	
W21SSA	Copper	2.3	ug/l	J	1300 (d)	
WSCNRA	Copper	2.5	ug/l	J	1300 (d)	
W18DDA	Iron	2220	ug/l			
W21SSA	Iron	1640	ug/l			
W23DDA	Iron	779	ug/l			
W23SSA	Iron	339	ug/l			
W09SSA	Magnesium	1240	ug/l			
W09SSD	Magnesium	1200	ug/l			
W18DDA	Magnesium	3210	ug/l			
W21SSA	Magnesium	3080	ug/l			
W23DDA	Magnesium	1420	ug/l			
W23SSA	Magnesium	1480	ug/l			
WSCNRA	Magnesium	1080	ug/l			

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Table 4.1. Observed Concentration of Compounds in Monitoring Wells Compared to Health-Based Limits.

Ogden Sample ID	Analyte	Result	Units	Qualifier	MCL (a)	Health Advisory (a)
W09SSA	Manganese	43.2	ug/l			
W09SSD	Manganese	52.1	ug/l			
W18DDA	Manganese	251	ug/l			
W21SSA	Manganese	326	ug/l			
W23DDA	Manganese	205	ug/l			
W23SSA	Manganese	208	ug/l			
W09SSA	Nickel	8.3	ug/l		100	100 (b)
W09SSD	Nickel	8	ug/l		100	100 (b)
W21SSA	Nickel	3.4	ug/l		100	100 (b)
W23DDA	Nickel	1.8	ug/l	J	100	100 (b)
W23SSA	Nickel	2.9	ug/l		100	100 (b)
W09SSA	Nitrate/Nitrite (As N)	0.02	mg/l	J	10	
W09SSD	Nitrate/Nitrite (As N)	0.02	mg/l	J	10	
W21SSA	Nitrate/Nitrite (As N)	0.1	mg/l		10	
W23DDA	Nitrate/Nitrite (As N)	0.02	mg/l	J	10	
W23SSA	Nitrate/Nitrite (As N)	0.59	mg/l		10	
W3CNRA	Nitrate/Nitrite (As N)	0.08	mg/l		10	
W18DDA	Nitrogen, Ammonia (As N)	0.03	mg/l	J	30	
W21SSA	Nitrogen, Ammonia (As N)	0.03	mg/l	J	30	
W3CNRA	Nitrogen, Ammonia (As N)	0.02	mg/l	J	30	
W09SSD	Phosphorus, Total Orthophosphate (As PO ₄)	0.02	mg/l			
W18DDA	Phosphorus, Total Orthophosphate (As PO ₄)	0.28	mg/l	J		
W21SSA	Phosphorus, Total Orthophosphate (As PO ₄)	0.08	mg/l	J		
W23DDA	Phosphorus, Total Orthophosphate (As PO ₄)	0.03	mg/l			
W3CNRA	Phosphorus, Total Orthophosphate (As PO ₄)	0.05	mg/l	J		
W09SSA	Potassium	742	ug/l			
W09SSD	Potassium	747	ug/l			
W18DDA	Potassium	1610	ug/l			
W21SSA	Potassium	2190	ug/l			
W23DDA	Potassium	895	ug/l			
W23SSA	Potassium	1270	ug/l			
W3CNRA	Potassium	665	ug/l			
W09SSA	Sodium	4630	ug/l			20000 (e)
W09SSD	Sodium	4240	ug/l			20000 (e)
W18DDA	Sodium	7760	ug/l			20000 (e)
W21SSA	Sodium	24000	ug/l			20000 (e)

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Table 4.1. Observed Concentration of Compounds in Monitoring Wells Compared to Health-Based Limits.

Ogden Sample ID	Analyte	Result	Units	Qualifier	MCL (a)	Health Advisory (a)
W23DDA	Sodium	6280	ug/l			20000 (e)
W23SSA	Sodium	6860	ug/l			20000 (e)
W3CNRA	Sodium	5780	ug/l			20000 (e)
W09SSA	Sulfate (As SO ₄)	6.3	mg/l			
W09SSD	Sulfate (As SO ₄)	6.4	mg/l			
W18DDA	Sulfate (As SO ₄)	9.4	mg/l			
W21SSA	Sulfate (As SO ₄)	7.5	mg/l			
W23DDA	Sulfate (As SO ₄)	4.8	mg/l			
W23SSA	Sulfate (As SO ₄)	7.1	mg/l			
W3CNRA	Sulfate (As SO ₄)	4.89	mg/l			
W21SSA	Thallium	6.9	ug/l	J	2	0.5 (b)
W09SSA	Vanadium	1.3	ug/l	J		
W09SSD	Vanadium	1.6	ug/l	J		
W18DDA	Vanadium	1.8	ug/l	J		
W23DDA	Vanadium	1.3	ug/l	J		2000 (b)
W3CNRA	Zinc	34.3	ug/l			2000 (b)

Qualifiers:

- shaded values indicate observed concentration is higher than a health-based screening concentration

(a) MCLs and Health Advisories are reported in the same concentration unit noted for the analyte.

(b) The value is a Lifetime HA

(c) The value is a longer term HA for children; the longer term HA for adults is higher (400 ug/L)

(d) The value is a technology based "Action Level"

(e) The value is a "guidance" appropriate to those with salt restricted diets

It is notable that health-based screening criteria are unavailable for several observed compounds listed in Table 4.1. Where MCLs or HAs are available, it is apparent that most observed concentrations are below the health-based value. The exceptions include sodium² and thallium in Well 21S, and the compound bis-2-ethylhexyl phthalate in Well 23S. Of the explosives, HAs are available for HMX and RDX only. All observed concentrations of HMX are below the HA, while three of four observations of RDX slightly exceed the HA.

² While a concentration limit for sodium is published in the EPA tables on Health Advisories, the limit for this compound is noted as "guidance" and relates to sodium concentrations that would be of concern for individuals with cardiovascular disease requiring salt restriction. Thus, this is not a Health Advisory as calculated for other compounds, but is relevant to health protection in certain sensitive individuals.

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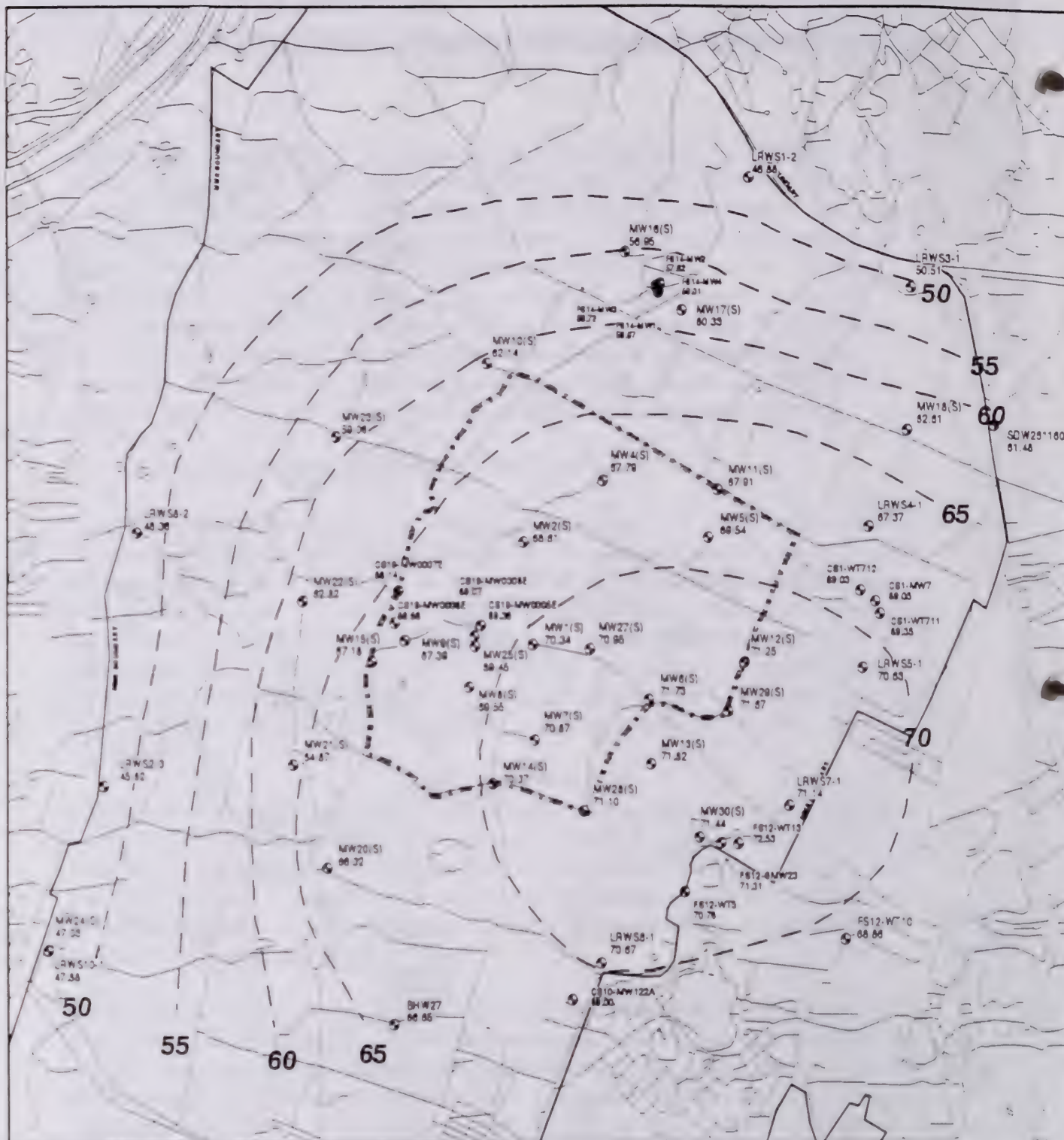
Because there are currently no active production wells in the area, these findings do not indicate immediate risk. They do however, indicate findings that should be studied carefully. In this regard, it is notable that the reported thallium concentration is less than the contract required detection limit, so that the concentration may be less certain than other observations. Also, bis-2-ethylhexylphthalate is a plasticizer and has frequently been found to be introduced as a laboratory contaminant and was present in blank samples from this study. The detections of HMX and RDX, especially those above the HA, indicate the need to identify potential sources and transport pathways of these compounds. It is particularly important to understand if concentrations of these compounds exceeding the HA could occur at points of current or future water use.

4.2 Groundwater Flow and Contaminant Distribution

A groundwater high is located to the southeast of the Impact Area with flow directed radially away from this point. Synoptic water level measurements have been collected in October and December, 1997 with little change noted in the configuration of the water table surface (Figures 4.2.1 and 4.2.2). Groundwater flow for the Impact Area is towards the north and west with ultimate discharge into Cape Cod Canal and Buzzards Bay. Portions of Area 5 on the southeast side of the Impact Area are located over the center of the mound. The groundwater system is unconfined with the water table present at a depth of approximately 100 ft below ground surface within the Impact Area (Figures 4.2.3, 4.2.4, and 4.2.5).

Continuous water level measurements were recorded at three monitoring wells (AEHA-11, LRWS2-02, and CS-19 MW0007E) for approximately 4 months (Figures 4.2.6, 4.2.7, and 4.2.8). In general, all three wells exhibit a decline in water level of a little over one foot. The decline is consistent with a reduction in precipitation events in the late summer. Water levels appear to respond to changes in barometric pressure that is consistent with an unconfined aquifer system.

The USGS has a scope of work with the National Guard Bureau for MMR using a site-wide flow model, MODFLOW. To better elucidate contaminant pathways the USGS has utilized a flow model in conjunction with particle tracking. The model has been utilized throughout the IAGS to help direct the placement of monitoring wells and screen depths. Under the scope of work for the National Guard Bureau the USGS MODFLOW model for MMR is being updated with information from the IAGS. Data to be updated include depth to bedrock, lithology as it relates to hydraulic conductivity, and possibly water levels. Once updated, the USGS site-wide model will be recalibrated and a sub-regional model focusing in on the MMR Impact Area will then be developed. The sub-regional model will allow for refinement of particle paths and could be utilized for solute transport modeling.



LEGEND

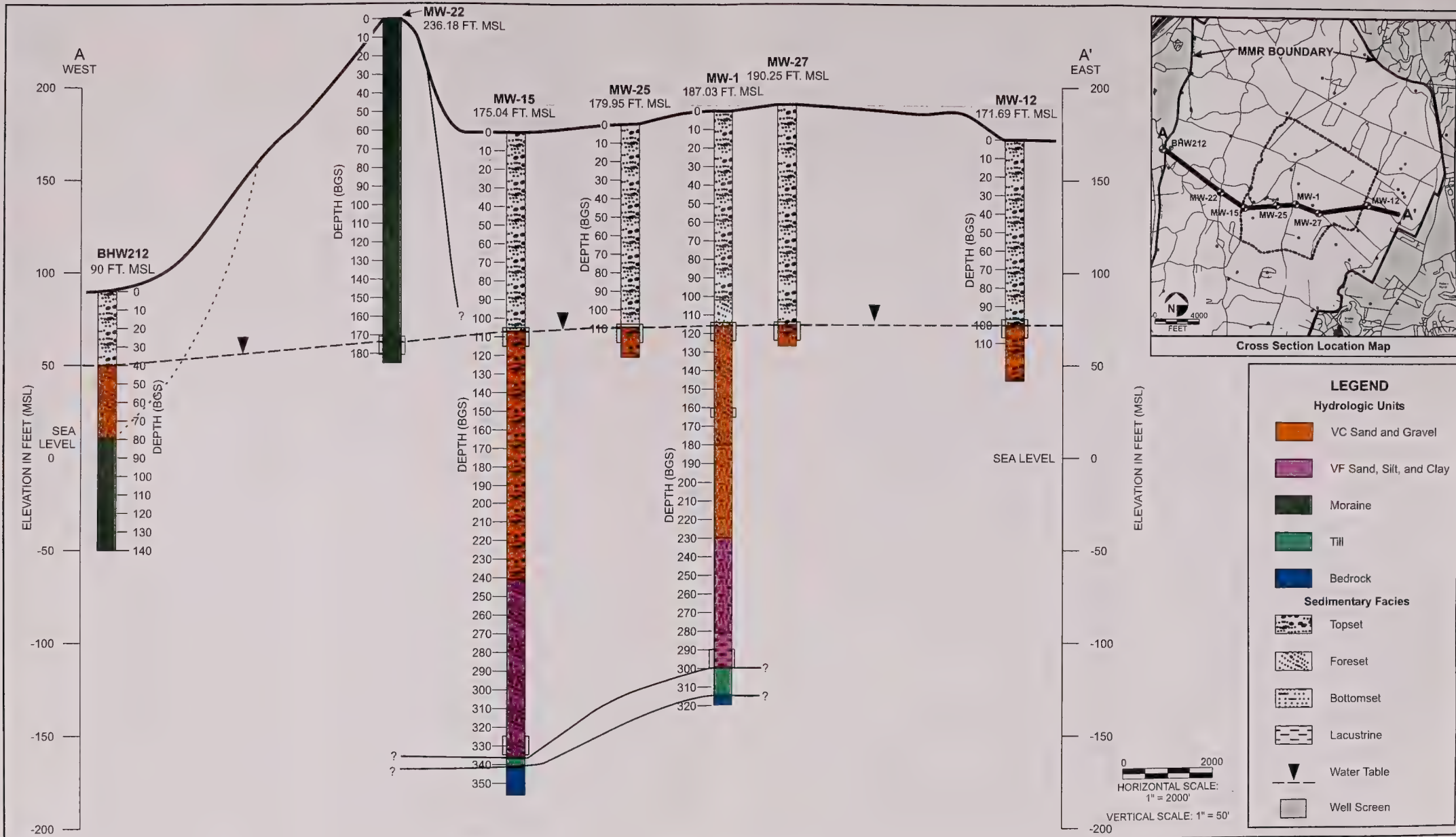
- IMPACT AREA BOUNDARY
- GROUNDWATER CONTOUR (FEET ABOVE MSL)
- MONITORING WELL
- 71.21 GROUNDWATER ELEVATION (FEET ABOVE MSL)
- ANOMALOUS WATER LEVEL READING

FIGURE

4.2.2

OGDEN
■■■■■

DRAFT
Groundwater Contour Map
December 30, 1997



Geologic Cross Section A - A'
MMR Impact Area

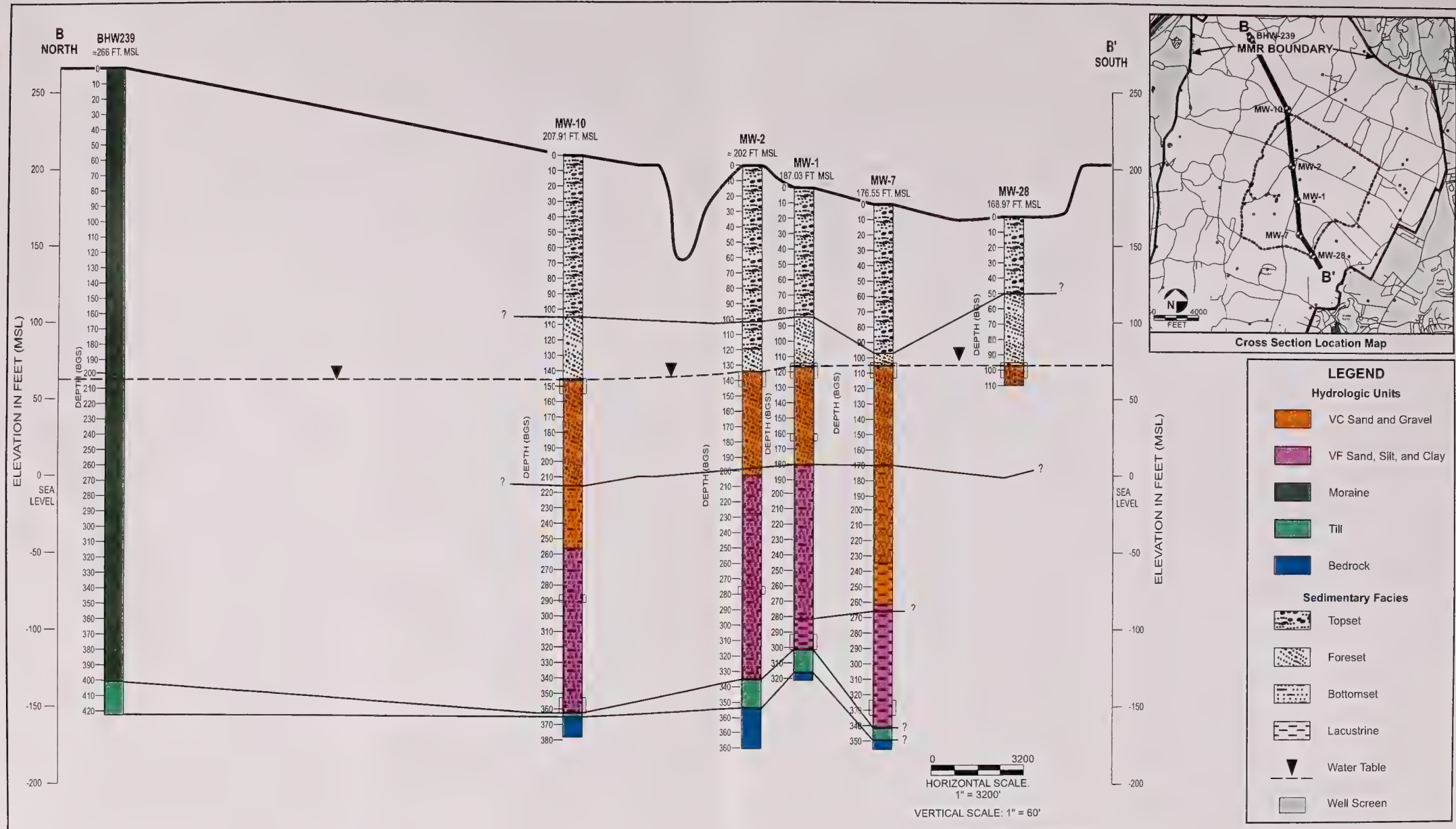
FIGURE

4.2.3

L

4

C



Geologic Cross Section B - B'
MMR Impact Area

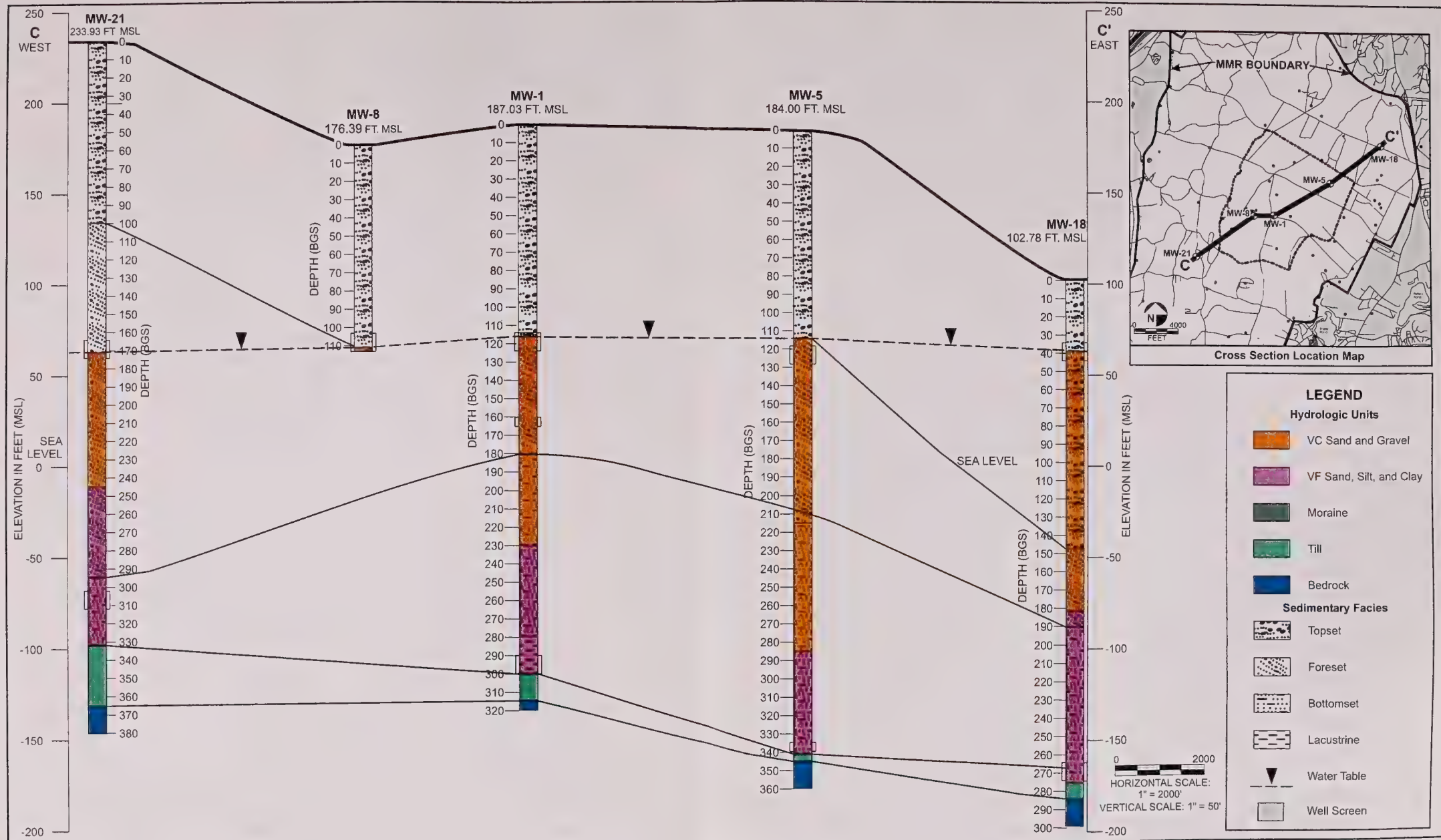
FIGURE

4.2.4

7

1

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Geologic Cross Section C - C'
MMR Impact Area

FIGURE

4.2.5

AEHA 11

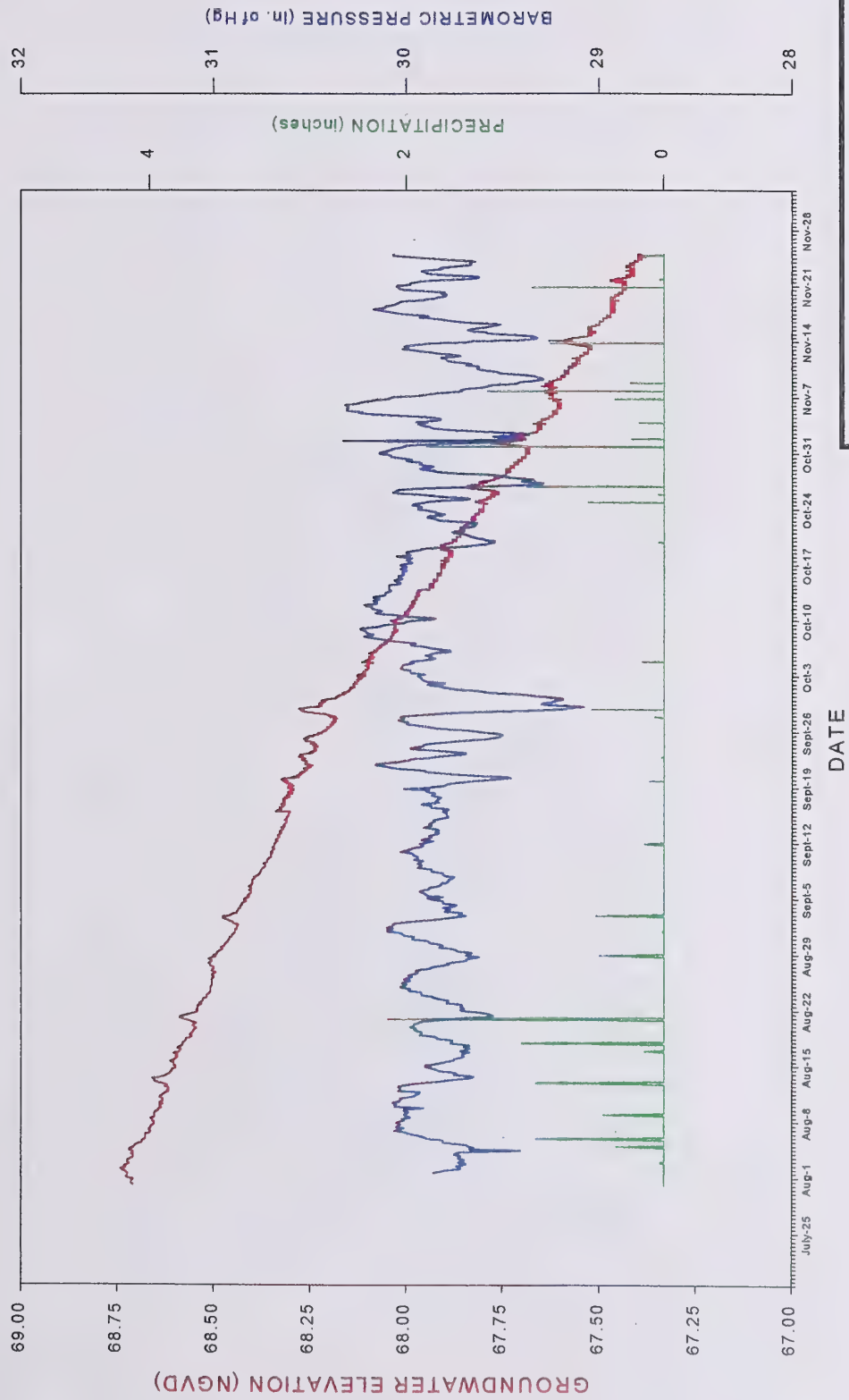


Figure 4.2.6
Camp Edwards Impact Area Groundwater Study
Hydrograph of AEHA-11
7/31/97 through 11/25/97

LRWS SITE 2-02

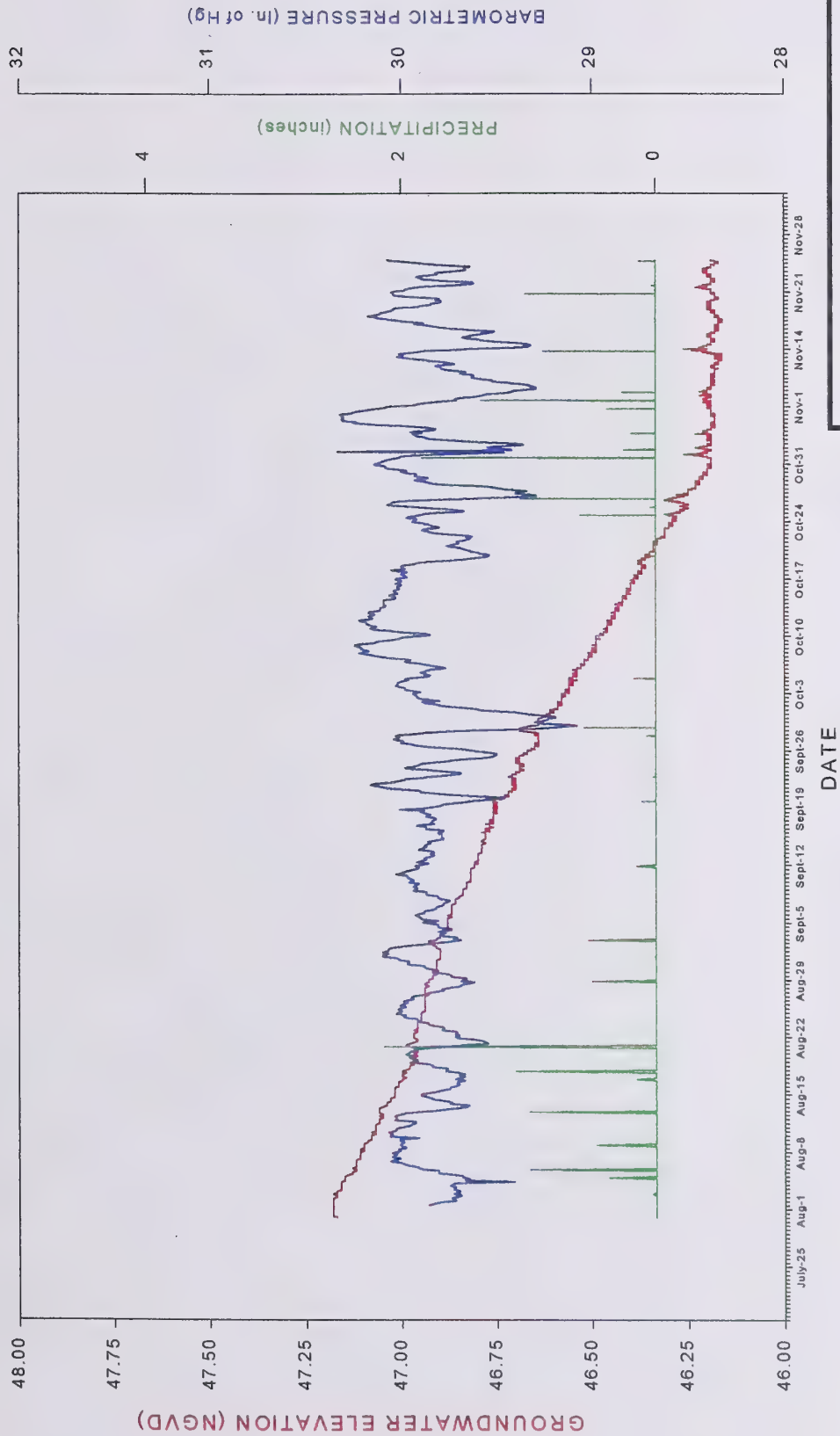


Figure 4.2.7
Camp Edwards Impact Area Groundwater Study
Hydrograph of LRWS Site 2-02
7/31/97 through 11/25/97

CS-19 MW0007E

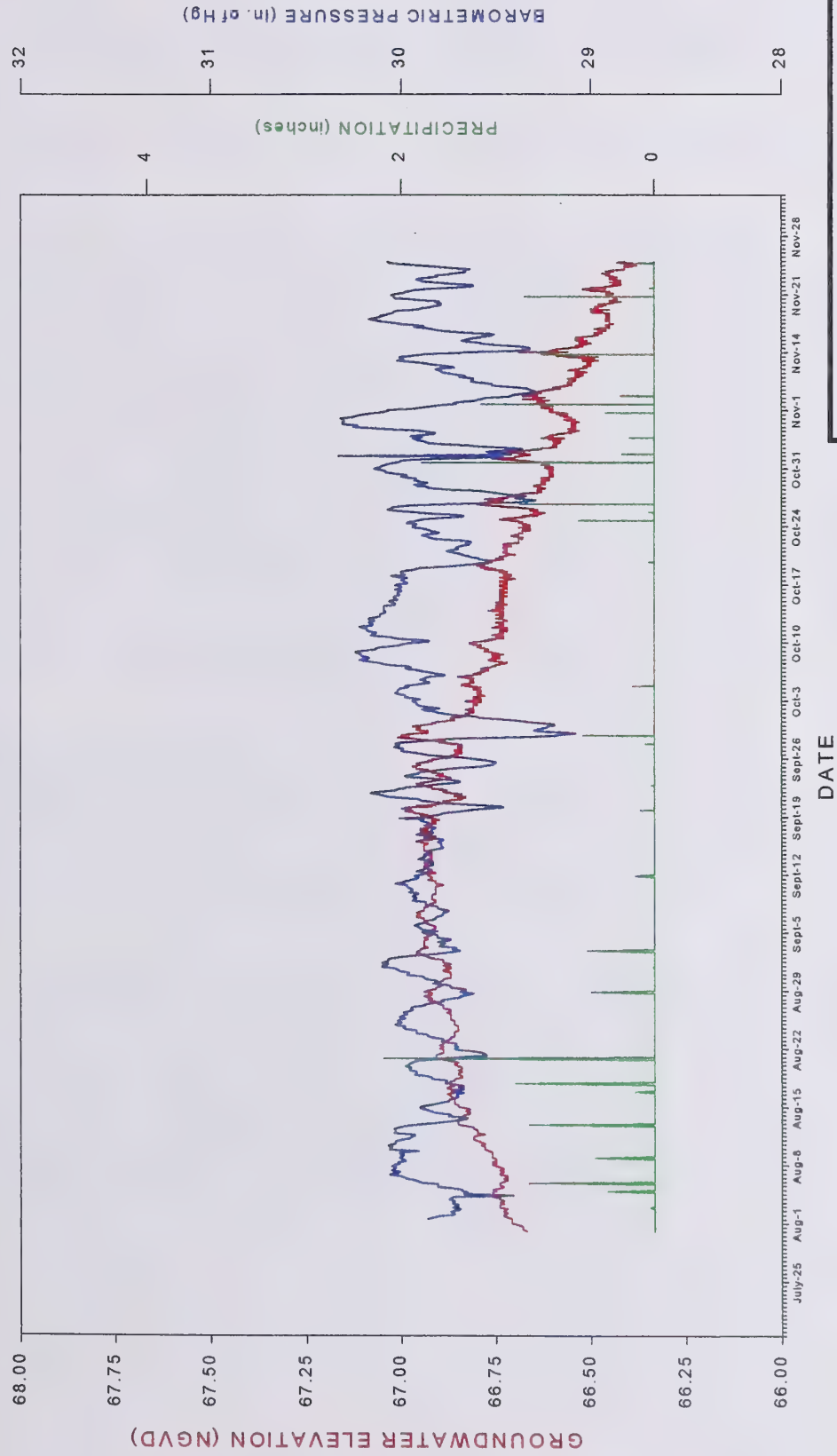


Figure 4.2.8
Camp Edwards Impact Area Groundwater Study
Hydrograph of CS-19 MW0007E
7/31/97 through 11/25/97



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The following subsections contain a brief summary of observations regarding the distribution of the principal contaminants detected to date.

4.2.1 Explosives

The detects of RDX in groundwater at MMR are spatially situated (MW-1S, -1M, -23M1, -25S, CS19-MW0006E, CS19-MW0009E, and CS19-MW0011E) such that an area of contamination is evident aligned from near the center of the Impact Area towards the northwest (Figure 4.2.9). The results from CS19-MW0006E, CS19-MW0009E, and CS19-MW0011E have not been validated, but are consistent with the measurements completed in early 1997 for CS-19 under the IRP. The origin of the RDX is unclear. Particle tracking with MODFLOW suggests that the RDX entered the water table at one or more locations on the east side of the Impact Area, near the west side of the water table mound. The sporadic detections of RDX in soil, and its absence in soil samples from Areas 2 and 3 in the center of the Impact Area where major targets were located, indicate that training activities have not led to widespread contamination by explosives in these areas. The RDX detection at the water table in MW-16S suggests a local source of contamination, based on its depth and position cross-gradient from the other RDX detections.

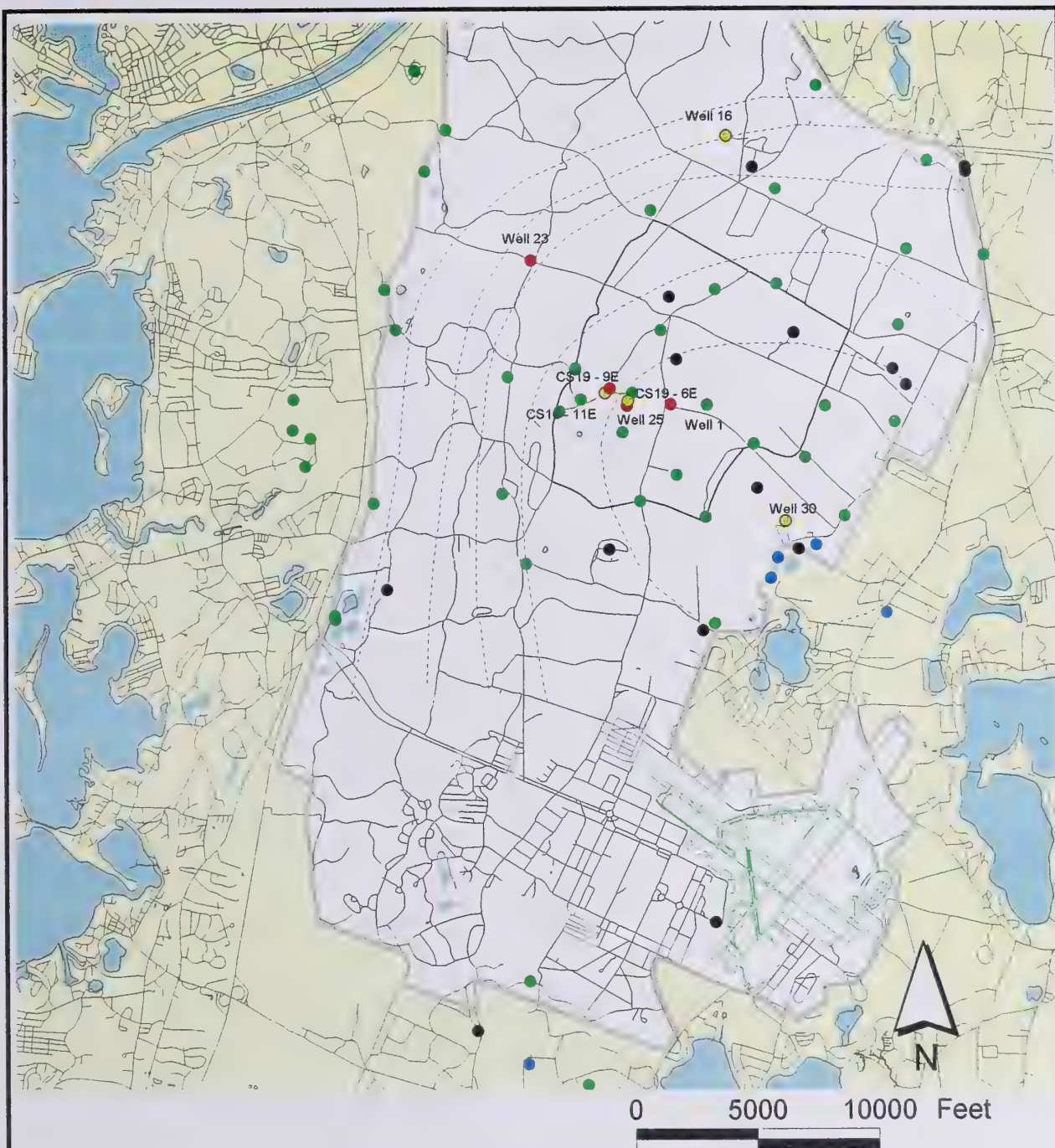
The occasional detects of HMX (<12 ug/L) and other explosive compounds in groundwater suggest isolated source releases with localized groundwater migration. Insufficient data are available to evaluate the migration of HMX in the vicinity of MW-30S, which is located near the top of the water table mound. Additional data from surrounding wells will be available shortly to assist with this evaluation.

Validated results indicate the absence of TNT at the site. The principal degradation products of TNT are 2A-DNT, 4A-DNT and 2,6-diamino-4-dinitrotoluene (2,6-DANT). The compounds 2A-DNT and 4A-DNT have been detected in several soil samples from MMR but at concentrations less than 1 mg/kg. The compounds 2,4-DNT and 2,6-DNT are not degradation products of TNT. These compounds are byproducts of TNT manufacture and are typically found with TNT. The absence of TNT and the presence of 2A-DNT, 4A-DNT, 2,4-DNT and 2,6-DNT in soil samples suggest that TNT may have been present at the site at one time but has since biodegraded.

THE HISTORY OF THE UNITED STATES

The history of the United States is a complex and multifaceted story. It begins with the first inhabitants, the Native Americans, who lived in the land for thousands of years. The story continues with the arrival of European settlers, the struggle for independence, and the formation of the new nation. The United States has since grown into a powerful and influential country, with a rich cultural heritage and a commitment to freedom and democracy.

The United States has a long and proud history. It is a country of many peoples, many cultures, and many traditions. It is a country that has always been a land of opportunity and hope. The United States has made many contributions to the world, and it continues to do so today. The history of the United States is a story of resilience and strength, of courage and sacrifice. It is a story that inspires and motivates us all.



Legend

Explosives in gw samples

- Not sampled as of 1/21/98
- Detects for HMX/RDX > HA
- Detects for HMX/RDX < HA
- Non-Detects for HMX/RDX
- Awaiting Lab Results

Figure 4.2.9 Explosives detected in groundwater as of January 21, 1998.

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4.2.2 Volatile Organic Compounds

As discussed in Section 3, VOCs were not widely detected in soils or groundwater, nor were the limited detections at elevated concentrations. Fate and transport processes for low levels of TCE in surface soil, and chloroform in groundwater, are discussed below.

The most important environmental fate process for TCE is volatilization. The Henry's constant is 1.17×10^{-2} atm m³/mol indicating TCE rapidly volatilizes from water. TCE rapidly photodegrades and undergoes rapid hydrolysis reactions in the atmosphere (Howard et al. 1991). TCE was detected in a number of surface soil samples but not in deeper soil samples or groundwater at MMR. The concentration of TCE reported was less than 5 ug/kg. Given the low concentration and sporadic nature of detects it is unlikely sufficient mass of TCE is available for transport to the aquifer.

The only detected VOC in groundwater was chloroform at concentrations up to 1 ug/l. Its environmental fate-and-transport properties are similar to TCE. It is noted that chloroform has been detected widely in groundwater on the Upper Cape, apparently resulting from discharge of treated water to the ground. The relationship of the chloroform detections in this study to the regional distribution of this contaminant is unknown at this time.

4.2.3 Semi-Volatile Compounds

The non-chlorinated hydrocarbons such as SVOCs and PCBs have low to moderate solubilities. These compounds in general are highly adsorbed or complexed with soil. A subset of SVOCs is PAHs, which are generally found in fuels. The compounds may bioaccumulate in organisms in surface waters. They vary substantially in their potential to biodegrade. The overall tendency for these compounds is for low mobility in the environment. As discussed earlier, a number of SVOCs, primarily PAHs and phthalates have been detected in surface soil samples. However, with the exception of bis (2-ethylhexyl) phthalate, no SVOC has been detected in groundwater. This result is consistent with the environmental fate-and-transport of SVOCs. SVOCs do not move substantially once introduced into the subsurface.

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4.2.4 Pesticides/Herbicides

The fate and transport of the pesticides and herbicides is similar to the SVOCs. They generally have a low solubility, less than 1 mg/L, and can be complexed and adsorbed with soil. Most of the pesticide and herbicide compounds photodegrade rapidly in the atmosphere. However, their relatively low Henry's constant suggest volatilization is limited. Once introduced into the soil these compounds can persist for considerable lengths of time (years) unless they biodegrade. Typically, biodegradation occurs under anaerobic conditions but most compounds are resistant to biodegradation. Once introduced into groundwater they can be relatively mobile. However, their low solubilities usually result in very low concentrations detected in groundwater. As discussed earlier a number of pesticides herbicides were detected in surface soil samples but are absent in deeper soil samples and groundwater.

4.2.5 Inorganics

Inorganics do not degrade since they are elements, but they are subject to chemical reactions and sorption. Antimony, arsenic, barium, copper, lead, mercury, and zinc are known as heavy metals. They normally only occur in trace amounts in uncontaminated aquifers. They have somewhat similar fate and transport properties. The oxidation state of ground water (generally the oxygen content), pH, solubility, type and amount of organic matter, clay, and sorption onto inorganic surfaces will control their occurrence in ground water. The ground water in the Impact Area is generally oxidizing, slightly acidic, and low in total dissolved solids (TDS), so that heavy metals would be immobile. Dissolved oxygen, pH, and TDS results are not included in this report, but will be included in the Completion of Work Report.

Iron and manganese are ubiquitous in the Sagamore lens aquifer. The subsurface iron exists as ferric hydroxide, which is insoluble. In the absence of organics in ground water causing reducing conditions, Fe will be immobile in the subsurface.

The anions of interest are nitrate, sulfate, chloride, and phosphate. Nitrate, sulfate, and chloride tend to be relatively mobile in groundwater. Their environmental fate is dependent on the aquifer matrix and interactions with this material. Phosphate tends to be a limiting agent in biological reactions and thus tends to be consumed in surface water environments. Phosphate mobility may be more limited in ground water due to surface reactions, precipitation on solids, and biological uptake.

5. CONCLUSIONS

The preliminary results of the Impact Area Groundwater study indicate the presence of explosive compounds in soil and groundwater. The validated data show minimal surface soil samples are contaminated with explosives. Groundwater samples principally contain RDX, HMX, PETN, and PA. The spatial arrangement of the groundwater detections indicates that RDX may have originated in the Impact Area and then spread to the northwest. At the present time it is unclear where the sources of contamination are located. The soil results indicate that the sources are not likely located at the primary targets for artillery and mortar fire. Evaluation of all remaining data will permit the further delineation of contaminant distribution, identification of any data gaps, and development of recommendations for additional investigations, as appropriate.

Low levels of VOCs (primarily TCE) and SVOCs (primarily phthalates and PAHs) have been detected in surface soils. With the exception of one of the phthalates, these compounds are not evident in groundwater. The sporadic distribution, low concentrations, and fate/transport properties of the detected VOCs and SVOCs suggest that the soil concentrations measured to date are not posing a threat of groundwater contamination. The source of the measured phthalate concentrations in groundwater is unclear at the present time. The detected phthalate compound is present in plastics and is frequently found to be present in environmental samples through cross-contamination by laboratory or field procedures. Chloroform, the only VOC detected in groundwater, may be part of a regional distribution of this chlorination by-product.

The preliminary results also show detects of pesticides and herbicides in surface soil, which may be related to vegetation control. This group of contaminants is limited to the surface soil with no detects of contamination from deeper soils or groundwater.

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6. REFERENCES

ETA. 1997. Final Action Plan for the Camp Edwards Impact Area Groundwater Quality Study. July 1997. Engineering Technologies Associates, Inc. Ellicott City, Maryland.

Hazwrap. 1994. Final Risk Assessment Handbook for Massachusetts Military Reservation Cape Cod, Massachusetts. September 1994. Hazardous Waste Remedial Actions Program. Oak Ridge, Tennessee.

Ogden. 1997a. Draft Report in Fate and Transport of Munitions-Related Materials for the Camp Edwards Impact Area Groundwater Quality Study Massachusetts Military Reservation Cape Cod, Massachusetts. August 1997. Ogden Environmental and Energy Services, Inc. Westford, Massachusetts.

Ogden. 1997b. Draft Response Matrix Materials for the Camp Edwards Impact Area Groundwater Quality Study Massachusetts Military Reservation Cape Cod, Massachusetts. July 1997. Ogden Environmental and Energy Services, Inc. Westford, Massachusetts.

Appendix A Directory

Group A, Water Data for Methods 504 (EDB), 8021 (MTBE), 8330SC (Explosive Scan), and OC21V (VOCs), 1-100.

Group B, Soil Data for Methods 350.2M (N₂), 353M (NO₃/NO₂), 365.2 (PO₄), CYAN, (cyanide), IM40 (metals), and IM40HG (mercury), 1-84.

Group C, Water Data for Methods 350.2M (N₂), 353M (NO₃/NO₂), 365.2 (PO₄), CYAN, (cyanide), IM40 (metals), and IM40HG (mercury), 1-16.

Group D, Soil Data for Methods 8021S (EDM/MTBE) and OM31V (VOCs), 1-56.

Group E, Soil Data for Methods OM31B (SVOCs), 1-84.

Group F, Water Data for Methods OC21B (SVOCs), 1-16.

Group G, Soil Data for Methods 8330 (explosives), 8515 (HMX/RDX screen), CRRSCT (TNT/DNT screen), 1-28.

Group H, Water Data for Methods 130.2 (hardness), 300.0 (Cl/SO₄), 310.1 (alkalinity), IM40HD (hardness), and TOC, 1-4.

Group I, Soil Data for Methods 8151 (herbicides) and OM31P (pesticides), 1-56.

Group J, Water Data for Methods 8151 (herbicides) and OL21P (pesticides), 1-10.

Group K, Water Data for Methods 8330 (explosives), 1-20.

Group L, Soil Data for Methods 8330N (explosives), 1-2.

DATA QUALIFIER REFERENCE TABLE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

QUALIFICATION CODE REFERENCE TABLE

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995 .
R	Calibration RRF was <0.05 .	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Not applicable.	Laboratory Control Sample %R were not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive - reported compound was not present. Not applicable.	
-	False negative - compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
5	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.

Qualification Code Reference Table (Continued)

P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk () will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	B02BAT	B02KAT	B03AAT	B03NAT	B03OAE
OGDEN ID	B02BAT	B02KAT	B03AAT	B03NAT	B03OAE
Date Sampled	9/11/97	9/12/97	9/9/97	9/10/97	9/10/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	10.0 U	U	U	9.80 U	U
8021W (UG/L)					
TERT-BUTYL METHYL ETHER	0.5000 U	U	U	0.5000 U	U
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	3.00 J	J	J	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

T:\MMR\VSNA\9\FBAGROUPA.DB (10147 of 10147 records) 02/09/98 17:40.2 read by cshcin

T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

<PRG table not selected>

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	B02BAT	B02KAT	B03AAT	B03NAT	B03OAE	
OGDEN ID	B02BAT	B02KAT	B03AAT	B03NAT	B03OAE	
Date Sampled	9/11/97	9/12/97	9/9/97	9/10/97	9/10/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (1,1-DIBROMOETHYLENE)	1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE						
2,4-DINITROTOLUENE						
OCTAHYDRO-1,3,5,7-TETRANITR						
HEXAHYDRO-1,3,5-TRINITRO-1,3						

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	B07AAT	B11AAT	G00DAA	G01DAA	G01DBA
OGDEN ID	B07AAT	B11AAT	G00DAA	G01DAA	G01DBA
Date Sampled	10/22/97	10/27/97	8/27/97	8/22/97	8/22/97
Depth				0.00	1.50
Method Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
REV QUAL CODE	LAB QUAL CODE	REV QUAL CODE	LAB QUAL CODE	REV QUAL CODE	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	9.90 U	U			
8021W (UG/L)	0.5000 U	U			
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	6.00 U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U	U	6.00 U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	U	6.00 U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	U	6.00 U	1.00 U	1.00 U
METHYLENE CHLORIDE	2.00 U	U	42.0	2.00 U	2.00 U
ACETONE	5.00 U	U	16.0 J	29.0	31.0 J
CARBON DISULFIDE	1.00 U	U	6.00 U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	U	6.00 U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	U	6.00 U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	6.00 U	1.00 U	1.00 U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	6.00 U	1.00 U	1.00 U
CHLOROFORM	1.00 U	U	50.0	1.00 U	1.00 U
1,2-DICHLOROETHANE	1.00 U	U	56.0	1.00 U	1.00 U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	28.0 U	12.0	14.0
BROMOCHLOROMETHANE	1.00 U	U	6.00 U	1.00 U	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	U	43.0	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	U	45.0	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	U	48.0	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	U	6.00 U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	6.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	U	24.0	1.00 U	1.00 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	B07AAT	B11AAT	G00DAA	G01DAA	G01DBA
OGDEN ID	B07AAT	B11AAT	G00DAA	G01DAA	G01DBA
Date Sampled	10/22/97	10/27/97	8/27/97	8/22/97	8/22/97
Depth			0.00	1.50	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U
BENZENE	1.00 U	U		1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
BROMOFORM	1.00 U	U		1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U		2.00 J	J
TETRACHLOROETHYLENE(PCE)	5.00 U	U		2.00 J	J
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U		1.00 U	U
CHLOROBENZENE	1.00 U	U		1.00 U	U
ETHYL BENZENE	1.00 U	U		1.00 U	U
STYRENE	1.00 U	U		1.00 U	U
XYLENES, TOTAL	1.00 U	U		1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE				10.0 U	U
2,4-DINITROTOLUENE				10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR				10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3				38.0	30.0

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DCA	G01DCE	G01DCT	G01DDA	G01DEA
OGDEN ID	G01DCA	G01DCE	G01DCT	G01DDA	G01DEA
Date Sampled	8/25/97	8/25/97	8/26/97	8/26/97	8/26/97
Depth	10.00			20.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	UJ	C	1.00 U	UJ
VINYL CHLORIDE	1.00 U	U		1.00 U	U
BROMOMETHANE	1.00 U	UJ	C	1.00 U	UJ
CHLOROETHANE	1.00 U	U		1.00 U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U
ACETONE	26.0	J	F	26.0	J
CARBON DISULFIDE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U
CHLOROFORM	1.00 U	U		1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U
METHYL ETHYL KETONE (2-BUT	6.00			4.00 J	J
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DCA	G01DCE	G01DCT	G01DDA	G01DEA
OGDEN ID	G01DCA	G01DCE	G01DCT	G01DDA	G01DEA
Date Sampled	8/25/97	8/25/97	8/26/97	8/26/97	8/26/97
Depth	10.00			20.00	
Method Analyte	ANALYTICAL RESULT	REV QUAL	LAB QUAL	ANALYTICAL RESULT	REV QUAL
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
BENZENE	0.2000 J	J	1.00 U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	U
BROMOFORM	1.00 U	U	1.00 U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	5.00 U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	5.00 U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	1.00 U	1.00 U	U
TOLUENE	1.00 U	U	1.00 U	1.00 U	U
CHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
ETHYLBENZENE	1.00 U	U	0.5000 J	1.00 U	U
STYRENE	1.00 U	U	1.00 U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	1.00 U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U
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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DED	G01DEE	G01DFE	G01DFT	G01DGA
OGDEN ID	G01DED	G01DEE	G01DFE	G01DFT	G01DGA
Date Sampled	8/26/97	8/26/97	8/27/97	8/27/97	8/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U		1.00 U	U
VINYL CHLORIDE	1.00 U	U		1.00 U	U
BROMOMETHANE	1.00 U	U		1.00 U	U
CHLOROETHANE	1.00 U	U		1.00 U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U
ACETONE	16.0	J		14.0	J
CARBON DISULFIDE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U
CHLOROFORM	1.00 U	U		1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U
METHYL ETHYL KETONE (2-BUT	4.00 J	J		5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE	G01DDE
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T:\MMR\VSNA99\FB\GROUPA.DB (10147 of 10147 records) 02/09/98 17:40:2 read by cshcin

T:\MMR\VSNA99\FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DHA	G01DIA	G01DJA	G01DKA	G01DLA			
OGDEN ID	G01DHA	G01DIA	G01DJA	G01DKA	G01DLA			
Date Sampled	8/27/97	8/28/97	8/29/97	9/2/97	9/2/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)								

T:\MMR\VSNA9F\B\GROUPA.DB (10147 of 10147 records) 02/09/98 17:40.2 read by eshem

T:\MMR\VSNA9F\B\VCOC.DB (1434 records) 02/08/98 13:04.3

<PRG table not selected>

EPA NO	G01DIA	G01DIA	G01DIA	G01DKA	G01DLA
OQDEN ID	G01DIA	G01DIA	G01DIA	G01DKA	G01DLA
Date Sampled	8/27/97	8/28/97	8/29/97	9/2/97	9/2/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC2IV (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRAHITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	6.80 J	J	J	5.50 J	J

T:\MMR\VSNA\9FB\GROUPA.DB (10147 of 10147 records) 02/09/98 17:40 2 read by cshein

T:\MMR\VSNA\9FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DNA	G01DNE	G01DOA	G01DOE	G01DOT
OGDEN ID	G01DNA	G01DNE	G01DOA	G01DOE	G01DOT
Date Sampled	9/4/97	9/4/97	9/8/97	9/8/97	9/8/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	0.5000 J	U
ACETONE	9.00	J	U	2.00 J	U
CARBON DISULFIDE	0.5000 J	J	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.5000 J	J	U	2.00	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Ogden Environmental and Energy Services

OEES Technical Inform

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DNA	G01DNE	G01DOA	G01DOE	G01DOT				
OGDEN ID	G01DNA	G01DNE	G01DOA	G01DOE	G01DOT				
Date Sampled	9/4/97	9/4/97	9/8/97	9/8/97	9/8/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-	5.00 U	U		5.00 U	U		5.00 U	U	
2-HEXANONE	5.00 U	U		5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	U	
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	4.30 J	J							
2,4-DINITROTOLUENE	10.0 U	U							
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U							
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 J	J							

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T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DPA	G01DPD	G01DQA	G01DRA	G02DMA			
OGDEN ID	G01DPA	G01DPD	G01DQA	G01DRA	G02DMA			
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	10/21/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETIANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	2.00 U	UJ	UJ	*1	2.00 U	UJ	UJ	*1
	6.00	UJ	UJ	T,*1	5.00 J	UJ	UJ	T,*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00	J	J	F,*1	1.00	J	J	F,*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	5.00 U	UJ	UJ	*1	5.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
	1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1	
1.00 U	UJ	UJ	*1	1.00 U	UJ	UJ	*1</	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G01DPA	G01DDPD	G01DQA	G01DRA	G02DMA				
OGDEN ID	G01DPA	G01DDPD	G01DQA	G01DRA	G02DMA				
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	10/21/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,1,2-TRICHLOROETHANE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
BENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
TRANS-1,3-DICHLOROPROPENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
BROMOFORM	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	UJ	•1	5.00 U	UJ	•1	5.00 U	UJ	•1
TETRACHLOROETHYLENE(PCE)	5.00 U	UJ	•1	5.00 U	UJ	•1	5.00 U	UJ	•1
1,1,2,2-TETRACHLOROETHANE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
CHLOROBENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
ETHYL BENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
STYRENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
XYLENES, TOTAL	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,3-DICHLOROBENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,4-DICHLOROBENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,2-DICHLOROBENZENE	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	UJ	•1	1.00 U	UJ	•1	1.00 U	UJ	•1
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE									
2,4-DINITROTOLUENE									
OCTAHYDRO-1,3,5,7-TETRANITR									
HEXAHYDRO-1,3,5-TRINITRO-1,3									

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G02DNA	G02DOA	G02DPA	G02DQA	G02DRA				
OGDEN ID	G02DNA	G02DOA	G02DPA	G02DQA	G02DRA				
Date Sampled	10/21/97	10/21/97	10/21/97	10/22/97	10/22/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)									

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T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G02DNA	G02DOA	G02DPA	G02DQA	G02DRA
OGDEN ID	G02DNA	G02DOA	G02DPA	G02DQA	G02DRA
Date Sampled	10/21/97	10/21/97	10/21/97	10/22/97	10/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	J	0.2000 J	0.3000 J
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	1.00 U
BENZENE	1.00 U	U	U	1.00 U	1.00 U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	1.00 U
BROMOFORM	1.00 U	U	U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U	U	5.00 U	5.00 U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	1.00 U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U	U	1.00 U	1.00 U
CHLOROBENZENE	1.00 U	U	U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U	U	U	1.00 U	1.00 U
STYRENE	1.00 U	U	U	1.00 U	1.00 U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	1.00 U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	1.00 U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	1.00 U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE					
2,4-DINITROTOLUENE					
OCTAHYDRO-1,3,5,7-TETRANITR					
HEXAHYDRO-1,3,5-TRINITRO-1,3					

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G02DSA	G02DTA	G02DUA	G02DVA	G07DAA			
OGDEN ID	G02DSA	G02DTA	G02DUA	G02DVA	G07DAA			
Date Sampled	10/22/97	10/22/97	10/23/97	10/23/97	8/8/97			
Depth					0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)								

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Ogden Environmental and Energy Services

OE Technical Infor

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G02DSA	G02D1A	G02DUA	G02DVA	G07DAA	
OGDEN ID	G02DSA	G02D1A	G02DUA	G02DVA	G07DAA	
Date Sampled	10/22/97	10/22/97	10/23/97	10/23/97	8/8/97	
Depth					0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U					
1,1,2-TRICHLOROETHANE	1.00 U					
BENZENE	1.00 U					
TRANS-1,3-DICHLOROPROPENE	1.00 U					
BROMOFORM	1.00 U					
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U					
TETRACHLOROETHYLENE(PCE)	1.00 U					
1,1,2,2-TETRACHLOROETHANE	1.00 U					
1,2-DIBROMOETHANE (ETHYLEN	1.00 U					
TOLUENE	1.00 U					
CHLOROBENZENE	1.00 U					
ETHYLBENZENE	1.00 U					
STYRENE	1.00 U					
XYLENES, TOTAL	1.00 U					
1,3-DICHLOROBENZENE	1.00 U					
1,4-DICHLOROBENZENE	1.00 U					
1,2-DICHLOROBENZENE	1.00 U					
1,2-DIBROMO-3-CHLOROPROPA	1.00 U					
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE						
2,4-DINITROTOLUENE						
OCTAHYDRO-1,3,5,7-TETRANITR						
HEXAHYDRO-1,3,5-TRINITRO-1,3						

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DAD	G07DBA	G07DBD	G07DCA	G07DCE
OGDEN ID	G07DAD	G07DBA	G07DBD	G07DCA	G07DCE
Date Sampled	8/8/97	8/11/97	8/11/97	8/11/97	8/11/97
Depth	1.50	10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	45.0	J	J	9.00	J
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.6000 J	J	J	0.6000 J	J
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	14.0	U	U	1.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	5.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DAD	G07DBA	G07DBD	G07DCA	G07DCE	
OGDEN ID	G07DAD	G07DBA	G07DBD	G07DCA	G07DCE	
Date Sampled	8/8/97	8/11/97	8/11/97	8/11/97	8/11/97	
Depth	1.50		10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
BENZENE	1.00 U	U	1.00 U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	U	1.00 U	U
BROMOFORM	1.00 U	U	1.00 U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	2.00 J	J	5.00 U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U	1.00 U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
STYRENE	1.00 U	U	1.00 U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	1.00 U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	U	1.00 U	U
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	10.0 U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DDA	G07DEA	G07DFA	G07DGA	G07DHA
OGDEN ID	G07DDA	G07DEA	G07DFA	G07DGA	G07DHA
Date Sampled	8/11/97	8/11/97	8/12/97	8/12/97	8/12/97
Depth	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	ANALYTICAL RESULT	LAB QUAL	ANALYTICAL RESULT
	RESULT	CODE	RESULT	CODE	RESULT
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U
VINYL CHLORIDE	1.00 U	U	1.00 U	U	1.00 U
BROMOMETHANE	1.00 U	U	1.00 U	U	1.00 U
CHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
METHYLENE CHLORIDE	2.00 U	U	2.00 U	U	2.00 U
ACETONE	4.00 J	J	6.00	J	10.0 J
CARBON DISULFIDE	1.00 U	U	1.00 U	U	1.00 U
1,1-DICHLOROETHENE	1.00 U	U	1.00 U	U	1.00 U
1,1-DICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	1.00 U	U	1.00 U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	1.00 U	U	1.00 U
CHLOROFORM	0.3000 J	J	1.00 U	U	0.4000 J
1,2-DICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	5.00 U	U	5.00 U
BROMOCHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
CARBON TETRACHLORIDE	1.00 U	U	1.00 U	U	1.00 U
BROMODICHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	U	1.00 U	U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	U	1.00 U	U	1.00 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DDA	G07DEA	G07DFA	G07DGA	G07DHA	
OGDEN ID	G07DDA	G07DEA	G07DFA	G07DGA	G07DHA	
Date Sampled	8/11/97	8/11/97	8/12/97	8/12/97	8/12/97	
Depth	20.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	UJ	C
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	UJ	C
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DIA	G07DJA	G07DKA	G07DLA	G07DMA
OGDEN ID	G07DIA	G07DJA	G07DKA	G07DLA	G07DMA
Date Sampled	8/12/97	8/12/97	8/12/97	8/12/97	8/12/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	9.00	J	C,F	13.0	J
CARBON DISULFIDE	1.00 U	U	U	0.6000 J	J
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.6000 J	J	F	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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Ogden Environmental and Energy Services

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DIA	G07DIA	G07DKA	G07DLA	G07DMA	
OGDEN ID	G07DIA	G07DIA	G07DKA	G07DLA	G07DMA	
Date Sampled	8/12/97	8/12/97	8/12/97	8/12/97	8/12/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	UJ C		5.00 U	UJ C	
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DNA	G07DOA	G07DPA	G07DQA	G07DRA			
OGDEN ID	G07DNA	G07DOA	G07DPA	G07DQA	G07DRA			
Date Sampled	8/13/97	8/13/97	8/13/97	8/13/97	8/13/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)								
			</					

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DNA	G07DQA	G07DPA	G07DQA	G07DRA				
OGDEN ID	G07DNA	G07DQA	G07DPA	G07DQA	G07DRA				
Date Sampled	8/13/97	8/13/97	8/13/97	8/13/97	8/13/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	U
BROMOFORM	1.00 U	U		1.00 U	U		1.00 U	U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	UJ C		5.00 U	UJ C		5.00 U	UJ C	UJ C
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U		1.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U		1.00 U	U		1.00 U	U	U
CHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
ETHYL BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
STYRENE	1.00 U	U		1.00 U	U		1.00 U	U	U
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	U
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U		10.0 U	U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U		10.0 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DSA	G07DSE	G07DTA	G07DUA	G07DVA
OGDEN ID	G07DSA	G07DSE	G07DTA	G07DUA	G07DVA
Date Sampled	8/15/97	8/15/97	8/15/97	8/15/97	8/18/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U		1.00 U	U
VINYL CHLORIDE	1.00 U	U		1.00 U	U
BROMOMETHANE	1.00 U	U		1.00 U	U
CHLOROETHANE	1.00 U	U		1.00 U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U
ACETONE	8.00	J	C,F,R	11.0	J
CARBON DISULFIDE	1.00 U	U		1.00 U	F
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	0.7000 J
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	J
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U
CHLOROFORM	1.00 U	U		1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U		5.00 U	F
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	J
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U

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Technical Inform

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DSA	G07DSE	G07DIA	G07DUA	G07DVA				
OGDEN ID	G07DSA	G07DSE	G07DIA	G07DUA	G07DVA				
Date Sampled	8/15/97	8/15/97	8/15/97	8/15/97	8/18/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOFORM	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ISOBUTYL KETONE (4-	5.00 U	UJ	C	5.00 U	U	U	5.00 U	U	U
2-HEXANONE	5.00 U	UJ	C	5.00 U	U	U	5.00 U	U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TOLUENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
STYRENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DVE	G07DVT	G07DWA	G07DWT	G10DAAa				
OGDEN ID	G07DVE	G07DVT	G07DWA	G07DWT	G10DAA				
Date Sampled	8/18/97	8/18/97	8/22/97	8/22/97	8/5/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN									
8021W (UG/L)									
TERT-BUTYL METHYL ETHER									
OC21V (UG/L)									
CHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
VINYL CHLORIDE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMOMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U		2.00 U	U	
ACETONE	88.0			5.00 U	R		5.00 U	R	C
CARBON DISULFIDE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROFORM	1.00 U	U		1.00 U	U		1.00 U	U	B
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
METHYL ETHYL KETONE (2-BUT	22.0			5.00 U	U		5.00 U	U	
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U		1.00 U	U	
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U		1.00 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G07DVE	G07DVT	G07DWA	G07DWT	G10DAAa				
OGDEN ID	G07DVE	G07DVT	G07DWA	G07DWT	G10DAA				
Date Sampled	8/18/97	8/18/97	8/22/97	8/22/97	8/5/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
BENZENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
BROMOFORM	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	5.00 U	5.00 U	5.00 U	U	5.00 U	U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
TOLUENE	1.00 U	U	2.00	1.00 U	1.00 U	U	1.00 U	U	U
CHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
ETHYLBENZENE	1.00 U	U	0.6000 J	1.00 U	1.00 U	U	1.00 U	U	U
STYRENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
XYLENES, TOTAL	1.00 U	U	2.00	1.00 U	1.00 U	U	1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	1.00 U	1.00 U	U	1.00 U	U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U		U			
2,4-DINITROTOLUENE	10.0 U	U		10.0 U		U			
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U		U			
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U		U			

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G10DAAb	G10DBA	G10DCA	G10DDA	G10DEA
OGDEN ID		G10DBA	G10DCA	G10DDA	G10DEA
Date Sampled		8/5/97	8/5/97	8/6/97	8/6/97
Depth		1.50	10.00	20.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	R	R	5.00 U	R
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 J	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G10DAAb	G10DBA	G10DCA	G10DDA	G10DEA
OGDEN ID	G10DAA	G10DBA	G10DCA	G10DDA	G10DEA
Date Sampled	8/5/97	8/5/97	8/5/97	8/6/97	8/6/97
Depth	0.00	1.50	10.00	20.00	
Method Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL
	REV QUAL	REV QUAL	REV QUAL	REV QUAL	REV QUAL
	CODE	CODE	CODE	CODE	CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE		0.5000 J	1.00 U	1.00 U	1.00 U
1,1,2-TRICHLOROETHANE		1.00 U	1.00 U	1.00 U	1.00 U
BENZENE		1.00 U	1.00 U	1.00 U	1.00 U
TRANS-1,3-DICHLOROPROPENE		1.00 U	1.00 U	1.00 U	1.00 U
BROMOFORM		1.00 U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4- 2-HEXANONE		5.00 U	5.00 U	5.00 U	5.00 U
TETRACHLOROETHYLENE(PCE)		5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-TETRACHLOROETHANE		1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMOETHANE (ETHYLEN		1.00 U	1.00 U	1.00 U	1.00 U
TOLUENE		1.00 U	1.00 U	1.00 U	1.00 U
CHLOROBENZENE		1.00 U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE		1.00 U	1.00 U	1.00 U	1.00 U
STYRENE		1.00 U	1.00 U	1.00 U	1.00 U
XYLENES, TOTAL		1.00 U	1.00 U	1.00 U	1.00 U
1,3-DICHLOROBENZENE		1.00 U	1.00 U	1.00 U	1.00 U
1,4-DICHLOROBENZENE		1.00 U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROBENZENE		1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROPA		1.00 U	1.00 U	1.00 U	1.00 U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-DINITROTOLUENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G10DED	G10DEF				G10DFA				G10DGA				G10DHA			
OGDEN ID	G10DED	G10DEF				G10DFA				G10DGA				G10DHA			
Date Sampled	8/6/97	8/6/97				8/7/97				8/7/97				8/7/97			
Depth																	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)																	
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	2.00 U	U			2.00 U	U			2.00 U	U			2.00 U	U			
	5.00 U	R			5.00 U	R			5.00 U	R			5.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			
	1.00 U	U			1.00 U	U			1.00 U	U			1.00 U	U			

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OE Technical Inform

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G10DED	G10DEE	G10DEA	G10DGA	G10DHA
OGDEN ID	G10DED	G10DEE	G10DEA	G10DGA	G10DHA
Date Sampled	8/6/97	8/6/97	8/7/97	8/7/97	8/7/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	4.00	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G10DIA	G15DAA	G15DAE	G15DAF	G15DAT
OGDEN ID	G10DIA	G15DAA	G15DAE	G15DAF	G15DAT
Date Sampled	8/8/97	9/2/97	9/2/97	9/2/97	9/2/97
Depth		0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	U	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	GI0DIA	GI15DAA	GI15DAF	GI15DAT		
OGDEN ID	GI0DIA	GI15DAA	GI15DAF	GI15DAT		
Date Sampled	8/8/97	9/2/97	9/2/97	9/2/97		
Depth	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DBA	G15DBE	G15DCA	G15DDA	G15DEA
OGDEN ID	G15DBA	G15DBE	G15DCA	G15DDA	G15DEA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth	1.50		10.00	20.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
METHYLENE CHLORIDE	2.00 U	0.9000 J	2.00 U	2.00 U	2.00 U
ACETONE	15.0	4.00 J	12.0	5.00	3.00 J
CARBON DISULFIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CHLOROFORM	1.00	2.00	1.00 U	1.00 U	1.00 U
1,2-DICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
METHYL ETHYL KETONE (2-BUT	5.00	5.00 U	5.00 U	5.00 U	5.00 U
BROMOCHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	GI5DBA	GI5DBE	GI5DCA	GI5DDA	GI5DEA
OGDEN ID	GI5DBA	GI5DBE	GI5DCA	GI5DDA	GI5DEA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth	1.50		10.00	20.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4- 2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DFA	G15DGA	G15DHA	G15DJA	G15DJA
OGDEN ID	G15DFA	G15DGA	G15DHA	G15DJA	G15DJA
Date Sampled	9/4/97	9/4/97	9/4/97	9/4/97	9/4/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U		1.00 U	U
VINYL CHLORIDE	1.00 U	U		1.00 U	U
BROMOMETHANE	1.00 U	U		1.00 U	U
CHLOROETHANE	1.00 U	U		1.00 U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U
ACETONE	4.00 J	J	F	10.0 J	J
CARBON DISULFIDE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U
CHLOROFORM	1.00 U	U		1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U		5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DFA	G15DGA	G15DHA	G15DJA								
OGDEN ID	G15DFA	G15DGA	G15DHA	G15DJA								
Date Sampled	9/4/97	9/4/97	9/4/97	9/4/97								
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OC21V (UG/L) Continued												
DIBROMOCHLOROMETHANE	1.00 U	U			1.00 U	U			1.00 U	U		
1,1,2-TRICHLOROETHANE	1.00 U	U			1.00 U	U			1.00 U	U		
BENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
TRANS-1,3-DICHLOROPROPENE	1.00 U	U			1.00 U	U			1.00 U	U		
BROMOFORM	1.00 U	U			1.00 U	U			1.00 U	U		
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U			5.00 U	U			5.00 U	U		
TETRACHLOROETHYLENE(PCE)	5.00 U	U			5.00 U	U			5.00 U	U		
1,1,2,2-TETRACHLOROETHANE	1.00 U	U			1.00 U	U			1.00 U	U		
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U			1.00 U	U			1.00 U	U		
CHLOROBENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
ETHYLBENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
STYRENE	1.00 U	U			1.00 U	U			1.00 U	U		
XYLENES, TOTAL	1.00 U	U			1.00 U	U			1.00 U	U		
1,3-DICHLOROBENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
1,4-DICHLOROBENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
1,2-DICHLOROBENZENE	1.00 U	U			1.00 U	U			1.00 U	U		
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U			1.00 U	U			1.00 U	U		
8330SC (UG/L)												
2,4,6-TRINITROTOLUENE	10.0 U	U			10.0 U	U			10.0 U	U		
2,4-DINITROTOLUENE	10.0 U	U			10.0 U	U			10.0 U	U		
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U			10.0 U	U			10.0 U	U		
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U			10.0 U	U			10.0 U	U		

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DKA	G15DLA	G15DMA	G15DNA	G15DOA
OGDEN ID	G15DKA	G15DLA	G15DMA	G15DNA	G15DOA
Date Sampled	9/4/97	9/4/97	9/4/97	9/5/97	9/5/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	U	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.6000 J	J	J	0.4000 J	J
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DKA	G15DLA	G15DMA	G15DNA	G15DOA				
OGDEN ID	G15DKA	G15DLA	G15DMA	G15DNA	G15DOA				
Date Sampled	9/4/97	9/4/97	9/4/97	9/5/97	9/5/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	U	
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DPA	G15DQA	G15DRA	G15DSA	G15DTA							
OGDEN ID	G15DPA	G15DQA	G15DRA	G15DSA	G15DTA							
Date Sampled	9/5/97	9/5/97	9/10/97	9/10/97	9/10/97							
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)												
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U
	5.00 U	U	U	5.00 U	U	U	11.0	J	F	11.0	J	F
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	
1.00 U	U	U	1.00 U									

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DPA	G15DQA	G15DRA	G15DSA	G15DTA	
OGDEN ID	G15DPA	G15DQA	G15DRA	G15DSA	G15DTA	
Date Sampled	9/5/97	9/5/97	9/10/97	9/10/97	9/10/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
BENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
BROMOFORM	1.00 U	U	1.00 U	1.00 U	U	1.00 U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	5.00 U	5.00 U	U	5.00 U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
CHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
ETHYLBENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
STYRENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
XYLENES, TOTAL	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	1.00 U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	1.00 U	U	1.00 U
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U	10.0 U	U	10.0 U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U	10.0 U	U	10.0 U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U	10.0 U	U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	10.0 U	10.0 U	U	10.0 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DUA	G15DVA	G15DVD	G15DWA	G15DXA			
OGDEN ID	G15DUA	G15DVA	G15DVD	G15DWA	G15DXA			
Date Sampled	9/10/97	9/11/97	9/11/97	9/11/97	9/12/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L)								
CHLOROMETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U	1.00 U	U	
BROMOMETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
CHLOROETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U	2.00 U	U	
ACETONE	5.00 U	U	J	7.00	J	5.00 U	U	F
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U	1.00 U	U	
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	1.00 U	U	
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U	1.00 U	U	
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	1.00 U	U	
CHLOROFORM	0.5000 J	J	J	0.3000 J	J	1.00 U	U	F
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U	5.00 U	U	
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U	1.00 U	U	
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U	1.00 U	U	
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	1.00 U	U	
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U	1.00 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G15DUA	G15DVA	G15DVD	G15DWA	G15DXA				
OGDEN ID	G15DUA	G15DVA	G15DVD	G15DWA	G15DXA				
Date Sampled	9/10/97	9/11/97	9/11/97	9/11/97	9/12/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOFORM	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ISOBUTYL KETONE (4-	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2-HEXANONE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TOLUENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
STYRENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE									
2,4-DINITROTOLUENE									
OCTAHYDRO-1,3,5,7-TETRANITR									
HEXAHYDRO-1,3,5-TRINITRO-1,3									

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DAA	G17DBA	G17DCA	G17DDA	G17DEA				
OGDEN ID	G17DAA	G17DBA	G17DCA	G17DDA	G17DEA				
Date Sampled	8/14/97	8/14/97	8/14/97	8/14/97	8/14/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN									
8021W (UG/L)									
TERT-BUTYL METHYL ETHER									
OC21V (UG/L)									
CHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U
ACETONE	25.0	J	F	17.0	J	F	5.00 U	J	F
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ETHYL KETONE (2-BUT	6.00	J	F	3.00 J	J	F	5.00 U	J	F
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U

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Ogden Environmental and Energy Services

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DEE	G17DFA	G17DGA	G17DHA	G17DIA				
OGDEN ID	G17DEE	G17DFA	G17DGA	G17DHA	G17DIA				
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/18/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)									

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DEE	G17DFA	G17DGA	G17DIA	G17DIA				
OGDEN ID	G17DEE	G17DFA	G17DGA	G17DIA	G17DIA				
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/18/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued	DIBROMOCHLOROMETHANE	1.00 U	U				1.00 U	U	
	1,1,2-TRICHLOROETHANE	1.00 U	U				1.00 U	U	
	BENZENE	1.00 U	U				1.00 U	U	
	TRANS-1,3-DICHLOROPROPENE	1.00 U	U				1.00 U	U	
	BROMOFORM	1.00 U	U				1.00 U	U	
	METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U			C	5.00 U	UJ	C
	TETRACHLOROETHYLENE(PCE)	5.00 U	U			C	5.00 U	UJ	C
	1,1,2,2-TETRACHLOROETHANE	1.00 U	U				1.00 U	U	
	1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U				1.00 U	U	
	TOLUENE	2.00	U				1.00 U	U	
	CHLOROBENZENE	1.00 U	U				1.00 U	U	
	ETHYLBENZENE	1.00 U	U				1.00 U	U	
	STYRENE	1.00 U	U				1.00 U	U	
	XYLENES, TOTAL	1.00 U	U				1.00 U	U	
8330SC (UG/L)	1,3-DICHLOROBENZENE	1.00 U	U				1.00 U	U	
	1,4-DICHLOROBENZENE	1.00 U	U				1.00 U	U	
	1,2-DICHLOROBENZENE	1.00 U	U				1.00 U	U	
	1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U				1.00 U	U	
	2,4,6-TRINITROTOLUENE	10.0 U	U				10.0 U	U	
	2,4-DINITROTOLUENE	10.0 U	U				10.0 U	U	
	OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U				10.0 U	U	
	HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U				10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DJA	G17DKA	G17DLA	G17DMA	G17DMD	
OGDEN ID	G17DJA	G17DKA	G17DLA	G17DMA	G17DMD	
Date Sampled	8/18/97	8/18/97	8/19/97	8/19/97	8/19/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)						
1,2-DIBROMOETHANE (ETHYLEN						
8021W (UG/L)						
TERT-BUTYL METHYL ETHER						
OC21V (UG/L)						
CHLOROMETHANE	1.00 U	U		1.00 U	U	
VINYL CHLORIDE	1.00 U	U		1.00 U	U	
BROMOMETHANE	1.00 U	U		1.00 U	U	
CHLOROETHANE	1.00 U	U		1.00 U	U	
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U	
ACETONE	5.00 U	U	C	5.00 U	R	C
CARBON DISULFIDE	1.00 U	U		1.00 U	U	
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U	
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U	
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U	
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U	
CHLOROFORM	0.5000 J	J	F	0.6000 J	J	F
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U	
METHYL ETHYL KETONE (2-BUT	5.00 U	U		5.00 U	U	
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U	
BROMODICHLOROMETHANE	1.00 U	U	F	1.00 U	U	
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U	
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U	

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Ogden Environmental and Energy Services

Technical Infor

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DJA	G17DKA	G17DLA	G17DMA	G17DMID				
OGDEN ID	G17DJA	G17DKA	G17DLA	G17DMA	G17DMID				
Date Sampled	8/18/97	8/18/97	8/19/97	8/19/97	8/19/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U	J	0.7000 J	1.00 U	U	1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOFORM	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ISOBUTYL KETONE (4-	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2-HEXANONE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TOLUENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
STYRENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U	U	10.0 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DMT	G17DNA	G17DNE	G17DOA	G17DOT				
OGDEN ID	G17DMT	G17DNA	G17DNE	G17DOA	G17DOT				
Date Sampled	8/19/97	8/19/97	8/19/97	8/20/97	8/20/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN							10.0	U	U
8021W (UG/L)							0.9900		
TERT-BUTYL METHYL ETHER									
OC21V (UG/L)									
CHLOROMETHANE	1.00	U	U	1.00	U	U	1.00	U	U
VINYL CHLORIDE	1.00	U	U	1.00	U	U	1.00	U	U
BROMOMETHANE	1.00	U	U	1.00	U	U	1.00	U	U
CHLOROETHANE	1.00	U	U	1.00	U	U	1.00	U	U
METHYLENE CHLORIDE	2.00	U	U	2.00	U	U	2.00	U	U
ACETONE	5.00	U	U	6.00	C	R	3.00	J	C,F
CARBON DISULFIDE	1.00	U	U	2.00		U	1.00	U	U
1,1-DICHLOROETHENE	1.00	U	U	1.00	U	U	1.00	U	U
1,1-DICHLOROETHANE	1.00	U	U	1.00	U	U	1.00	U	U
CIS-1,2-DICHLOROETHYLENE	1.00	U	U	1.00	U	U	1.00	U	U
TRANS-1,2-DICHLOROETHENE	1.00	U	U	1.00	U	U	1.00	U	U
CHLOROFORM	1.00	U	U	0.5000	F	J	0.5000	J	F
1,2-DICHLOROETHANE	1.00	U	U	1.00	U	U	1.00	U	U
METHYL ETHYL KETONE (2-BUT	5.00	U	U	5.00	U	U	5.00	U	U
BROMOCHLOROMETHANE	1.00	U	U	1.00	U	U	1.00	U	U
1,1,1-TRICHLOROETHANE	1.00	U	U	1.00	U	U	1.00	U	U
CARBON TETRACHLORIDE	1.00	U	U	1.00	U	U	1.00	U	U
BROMODICHLOROMETHANE	1.00	U	U	1.00	U	U	1.00	U	U
1,2-DICHLOROPROPANE	1.00	U	U	1.00	U	U	1.00	U	U
CIS-1,3-DICHLOROPROPENE	1.00	U	U	1.00	U	U	1.00	U	U
TRICHLOROETHYLENE (TCE)	1.00	U	U	1.00	U	U	1.00	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DMT	G17DNA	G17DNE	G17DOA	G17DOF				
OGDEN ID	G17DMT	G17DNA	G17DNE	G17DOA	G17DOF				
Date Sampled	8/19/97	8/19/97	8/19/97	8/20/97	8/20/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U		5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROBENZENE	2.00	U		3.00	U		2.00	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
STYRENE	0.6000 J	U		1.00 U	U		0.7000 J	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	2.00	U		1.00 U	U		3.00	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	U	
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRAMITR	10.0 U	U		10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DPA	G17DQA	G17DRA	G17DSA	G17DST	
OGDEN ID	G17DPA	G17DQA	G17DRA	G17DSA	G17DST	
Date Sampled	8/21/97	8/22/97	8/22/97	8/25/97	8/25/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	2.00 U	U	U	2.00 U	U	U
	5.00 U	R	R	5.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00	J	B	1.00 J	U	U
	1.00 U	U	U	1.00 U	U	U
	5.00 U	U	U	5.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U
	1.00 U	U	U	1.00 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DPA	G17DQA	G17DRA	G17DSA	G17DST	
OGDEN ID	G17DPA	G17DQA	G17DRA	G17DSA	G17DST	
Date Sampled	8/21/97	8/22/97	8/22/97	8/25/97	8/25/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	0.5000 J	J		0.5000 J	J	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DTA	G18DAA	G18DAT	G18DCA	G18DDA
OGDEN ID	G17DTA	G18DAA	G18DAT	G18DCA	G18DDA
Date Sampled	8/26/97	9/2/97	8/29/97	8/29/97	9/3/97
Depth		0.00		10.00	20.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
VINYL CHLORIDE	1.00 U	1.00 U	U	1.00 U	1.00 U
BROMOMETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
CHLOROETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
METHYLENE CHLORIDE	2.00 U	2.00 U	U	2.00 U	2.00 U
ACETONE	5.00 U	26.0	U	5.00 U	5.00 U
CARBON DISULFIDE	1.00 U	1.00 U	U	1.00 U	1.00 U
1,1-DICHLOROETHENE	1.00 U	1.00 U	U	1.00 U	1.00 U
1,1-DICHLOROETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
CIS-1,2-DICHLOROETHYLENE	1.00 U	1.00 U	U	1.00 U	1.00 U
TRANS-1,2-DICHLOROETHENE	1.00 U	1.00 U	U	1.00 U	1.00 U
CHLOROFORM	1.00 U	2.00	U	1.00 U	4.00
1,2-DICHLOROETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
METHYL ETHYL KETONE (2-BUT	5.00 U	7.00	U	5.00 U	5.00 U
BROMOCHLOROMETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
1,1,1-TRICHLOROETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
CARBON TETRACHLORIDE	1.00 U	1.00 U	U	1.00 U	1.00 U
BROMODICHLOROMETHANE	1.00 U	1.00 U	U	1.00 U	1.00 U
1,2-DICHLOROPROPANE	1.00 U	1.00 U	U	1.00 U	1.00 U
CIS-1,3-DICHLOROPROPENE	1.00 U	1.00 U	U	1.00 U	1.00 U
TRICHLOROETHYLENE (TCE)	1.00 U	1.00 U	U	1.00 U	1.00 U

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Ogden Environmental and Energy Services

OE Technical Inform

Validated MMR Data for SDGs 1-17, 28-30

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G17DTA	G18DAA	G18DAT	G18DCA	G18DDA
OGDEN ID	G17DTA	G18DAA	G18DAT	G18DCA	G18DDA
Date Sampled	8/26/97	9/2/97	8/29/97	8/29/97	9/3/97
Depth		0.00		10.00	20.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4- 2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U

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Ogden Environmental and Energy Services

Ogden Technical Inform

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DDT	G18DEA	G18DFA	G18DGA	G18DHA
OGDEN ID	G18DDT	G18DEA	G18DFA	G18DGA	G18DHA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	U	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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Ogden Environmental and Energy Services

OE Technical Inform

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DDT	G18DEA	G18DFA	G18DGA	G18DHA				
OGDEN ID	G18DDT	G18DEA	G18DFA	G18DGA	G18DHA				
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U	C	1.00 U	U	C	1.00 U	U	C
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	U	
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DIA	G18DJA	G18DKA	G18DLA	G18DMA
OGDEN ID	G18DIA	G18DJA	G18DKA	G18DLA	G18DMA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	U	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.9000 J	J	J	0.6000 J	J
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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Validated MMR Data for SDGs 1-17, 28-30

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DIA	G18DIA	G18DKA	G18DLA	G18DMA
OGDEN ID	G18DIA	G18DIA	G18DKA	G18DLA	G18DMA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	LAB QUAL	ANALYTICAL RESULT	LAB REV QUAL
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
BENZENE	1.00 U	U	1.00 U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	U
BROMOFORM	1.00 U	UJ C	1.00 U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	5.00 U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	1.00 U	1.00 U	U
TOLUENE	1.00 U	U	1.00 U	1.00 U	U
CHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
ETHYLBENZENE	1.00 U	U	1.00 U	1.00 U	U
STYRENE	1.00 U	U	1.00 U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	1.00 U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	10.0 U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DNA	G18DNT	G18DOA	G18DPA	G18DQA				
OGDEN ID	G18DNA	G18DNT	G18DOA	G18DPA	G18DQA				
Date Sampled	9/4/97	9/4/97	9/4/97	9/4/97	9/4/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L) CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)									

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Ogden Environmental and Energy Services

Ogden Technical Inform

Validated MMR Data for SDGs 1-17, 28-30

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DNA	G18DNT	G18DOA	G18DPA	G18DQA
OGDEN ID	G18DNA	G18DNT	G18DOA	G18DPA	G18DQA
Date Sampled	9/4/97	9/4/97	9/4/97	9/4/97	9/4/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	ANALYTICAL RESULT	LAB REV QUAL	ANALYTICAL RESULT
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
BENZENE	1.00 U	U	1.00 U	U	1.00 U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	U	1.00 U
BROMOFORM	1.00 U	U	1.00 U	U	1.00 U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U	5.00 U	U	5.00 U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	U	1.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U	1.00 U	U	1.00 U
CHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U
ETHYLBENZENE	1.00 U	U	1.00 U	U	1.00 U
STYRENE	1.00 U	U	1.00 U	U	1.00 U
XYLENES, TOTAL	1.00 U	U	1.00 U	U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	U	1.00 U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U	U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	4.60 J	J	10.0 U	U	10.0 U

GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DRA	G18DSA	G18DTA	G18DUA	G18DVA
OGDEN ID	G18DRA	G18DSA	G18DTA	G18DUA	G18DVA
Date Sampled	9/4/97	9/4/97	9/4/97	9/5/97	9/5/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	J	5.00 U	U
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.7000 J	J	J	1.00	1.00
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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T:\MMR\VS\NAP9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DRA	G18DSA	G18DIA	G18DVA		
OGDEN ID	G18DRA	G18DSA	G18DIA	G18DVA		
Date Sampled	9/4/97	9/4/97	9/5/97	9/5/97		
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYL BENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DWA	G18DWT	G18DXA	G21DAA	G21DBA
OGDEN ID	G18DWA	G18DWT	G18DXA	G21DAA	G21DBA
Date Sampled	9/5/97	9/5/97	9/8/97	9/12/97	9/12/97
Depth				0.00	1.50
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U		1.00 U	U
VINYL CHLORIDE	1.00 U	U		1.00 U	U
BROMOMETHANE	1.00 U	U		1.00 U	U
CHLOROETHANE	1.00 U	U		1.00 U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U
ACETONE	5.00 U	U		19.0	11.0
CARBON DISULFIDE	1.00 U	U		0.5000 J	0.2000 J
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U
CHLOROFORM	1.00	U		0.7000 J	1.00
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U		5.00	5.00 U
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G18DWA	G18DWT	G18DXA	G21DAA	G21DBA
OGDEN ID	G18DWA	G18DWT	G18DXA	G21DAA	G21DBA
Date Sampled	9/5/97	9/5/97	9/8/97	9/12/97	9/12/97
Depth				0 00	1 50
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DAA	G23DAT	G23DBA	G23DCA	G23DDA				
OGDEN ID	G23DAA	G23DAT	G23DBA	G23DCA	G23DDA				
Date Sampled	7/22/97	7/22/97	7/22/97	7/23/97	7/23/97				
Depth	0.00		1.50	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN									
8021W (UG/L)									
TERT-BUTYL METHYL ETHER									
OC21V (UG/L)									
CHLOROMETHANE	1.00 U			1.00 U			1.00 U		
VINYL CHLORIDE	1.00 U			1.00 U			1.00 U		
BROMOMETHANE	1.00 U			1.00 U			1.00 U		
CHLOROETHANE	1.00 U			1.00 U			1.00 U		
METHYLENE CHLORIDE	2.00 U			2.00 U			2.00 U		
ACETONE	5.00 U	R		5.00 U	R		5.00 U	R	
CARBON DISULFIDE	1.00 U			1.00 U			1.00 U		
1,1-DICHLOROETHENE	1.00 U			1.00 U			1.00 U		
1,1-DICHLOROETHANE	1.00 U			1.00 U			1.00 U		
CIS-1,2-DICHLOROETHYLENE	1.00 U			1.00 U			1.00 U		
TRANS-1,2-DICHLOROETHENE	1.00 U			1.00 U			1.00 U		
CHLOROFORM	1.00	J		1.00	J		0.8000	J	
1,2-DICHLOROETHANE	1.00 U			1.00 U			1.00 U		
METHYL ETHYL KETONE (2-BUT	5.00 U			5.00 U			5.00 U		
BROMOCHLOROMETHANE	1.00 U			1.00 U			1.00 U		
1,1,1-TRICHLOROETHANE	1.00 U			1.00 U			1.00 U		
CARBON TETRACHLORIDE	1.00 U			1.00 U			1.00 U		
BROMODICHLOROMETHANE	1.00 U			1.00 U			1.00 U		
1,2-DICHLOROPROPANE	1.00 U			1.00 U			1.00 U		
CIS-1,3-DICHLOROPROPENE	1.00 U			1.00 U			1.00 U		
TRICHLOROETHYLENE (TCE)	1.00 U			1.00 U			1.00 U		

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DAA	G23DAT	G23DBA	G23DCA	G23DDA
OGDEN ID	G23DAA	G23DAT	G23DBA	G23DCA	G23DDA
Date Sampled	7/22/97	7/22/97	7/22/97	7/23/97	7/23/97
Depth	0.00		1.50	10.00	20.00
Method					
Analyte					
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	1.00 U	0.4000 J	1.00 U	1.00 U
1,1,2-TRICHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TRANS-1,3-DICHLOROPROPENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
BROMOFORM	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
TETRACHLOROETHYLENE(PCE)	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-TETRACHLOROETHANE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
TOLUENE	1.00 U	1.00 U	0.4000 J	1.00 U	1.00 U
CHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
ETHYLBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
STYRENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
XYLENES, TOTAL	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,3-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,4-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DICHLOROBENZENE	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U		10.0 U	10.0 U	10.0 U
2,4-DINITROTOLUENE	10.0 U		10.0 U	10.0 U	10.0 U
OCTAHYDRO-1,3,5,7-TETRAMITR	10.0 U		10.0 U	10.0 U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U		10.0 U	10.0 U	10.0 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DEA	G23DFA	G23DGA	G23DHA	G23DHD
OGDEN ID	G23DEA	G23DFA	G23DGA	G23DHA	G23DHD
Date Sampled	7/23/97	7/23/97	7/23/97	7/23/97	7/23/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	R	R	5.00 U	R
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	0.9000 J	J	J	0.7000 J	J
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DEA	G23DFA	G23DGA	G23DHA	G23DHD	
OGDEN ID	G23DEA	G23DFA	G23DGA	G23DHA	G23DHD	
Date Sampled	7/23/97	7/23/97	7/23/97	7/23/97	7/23/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	5.00 U	U		5.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		1.00 U	U	
TOLUENE	1.00 U	U		1.00 U	U	
CHLOROBENZENE	1.00 U	U		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U	
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DHT	G23DIA	G23DJA	G23DKA	G23DLA
OGDEN ID	G23DHT	G23DIA	G23DJA	G23DKA	G23DLA
Date Sampled	7/24/97	7/24/97	7/24/97	7/24/97	7/24/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	R	J	5.00 U	R
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	0.3000 J	F
METHYL ETHYL KETONE (2-BUT	1.00 U	U	U	1.00 U	U
BROMOCHLOROMETHANE	5.00 U	U	U	5.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DHT	G23DJA	G23DKA	G23DLA
OGDEN ID	G23DHT	G23DJA	G23DKA	G23DLA
Date Sampled	7/24/97	7/24/97	7/24/97	7/24/97
Depth				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OC21V (UG/L) Continued				
DIBROMOCHLOROMETHANE	1.00 U	U		
1,1,2-TRICHLOROETHANE	1.00 U	U		
BENZENE	1.00 U	U		
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		
BROMOFORM	1.00 U	U		
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		
TETRACHLOROETHYLENE(PCE)	5.00 U	U		
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U		
TOLUENE	1.00 U	U		
CHLOROBENZENE	1.00 U	U		
ETHYLBENZENE	1.00 U	U		
STYRENE	1.00 U	U		
XYLENES, TOTAL	1.00 U	U		
1,3-DICHLOROBENZENE	1.00 U	U		
1,4-DICHLOROBENZENE	1.00 U	U		
1,2-DICHLOROBENZENE	1.00 U	U		
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		
8330SC (UG/L)				
2,4,6-TRINITROTOLUENE	10.0 U	U		
2,4-DINITROTOLUENE	10.0 U	U		
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DMA	G23DME	G23DMT	G23DNA	G23DOA				
OGDEN ID	G23DMA	G23DME	G23DMT	G23DNA	G23DOA				
Date Sampled	7/24/97	7/24/97	7/24/97	7/28/97	7/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN									
8021W (UG/L)									
TERT-BUTYL METHYL ETHER									
OC21V (UG/L)									
CHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U
ACETONE	5.00 U	R	R	5.00 U	R	R	3.00 J	R	C
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROFORM	0.4000 J	J	J	0.3000 J	J	J	0.4000 J	J	F
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G23DMA	G23DME	G23DMT	G23DNA	G23DOA				
OGDEN ID	G23DMA	G23DME	G23DMT	G23DNA	G23DOA				
Date Sampled	7/24/97	7/24/97	7/24/97	7/28/97	7/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		0.4000 J	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
BENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
BROMOFORM	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U		5.00 U	U		5.00 U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
CHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
ETHYLBENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
STYRENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
XYLENES, TOTAL	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U		1.00 U	1.00 U	U
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U		10.0 U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U		10.0 U	U		10.0 U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U		10.0 U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G30DAA	R109	R110	R203	R204
OGDEN ID	G30DAA				
Date Sampled	10/28/97				
Depth	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	ANALYTICAL RESULT
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN					
8021W (UG/L)					
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	UJ			
VINYL CHLORIDE	1.00 U	U			
BROMOMETHANE	1.00 U	U			
CHLOROETHANE	1.00 U	U			
METHYLENE CHLORIDE	2.00 U	U			
ACETONE	5.00	J			
CARBON DISULFIDE	1.00 U	U			
1,1-DICHLOROETHENE	1.00 U	U			
1,1-DICHLOROETHANE	1.00 U	U			
CIS-1,2-DICHLOROETHYLENE	1.00 U	U			
TRANS-1,2-DICHLOROETHENE	1.00 U	U			
CHLOROFORM	1.00				
1,2-DICHLOROETHANE	1.00 U	U			
METHYL ETHYL KETONE (2-BUT	5.00 U	U			
BROMOCHLOROMETHANE	1.00 U	U			
1,1,1-TRICHLOROETHANE	1.00 U	U			
CARBON TETRACHLORIDE	1.00 U	U			
BROMODICHLOROMETHANE	1.00 U	U			
1,2-DICHLOROPROPANE	1.00 U	U			
CIS-1,3-DICHLOROPROPENE	1.00 U	U			
TRICHLOROETHYLENE (TCE)	1.00 U	U			

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	G30DAA	R109	R110	R203	R204				
OGDEN ID	G30DAA	R109	R110	R203	R204				
Date Sampled	10/28/97	9/4/97	9/5/97	9/4/97	9/5/97				
Depth	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U							
1,1,2-TRICHLOROETHANE	1.00 U	U							
BENZENE	1.00 U	U							
TRANS-1,3-DICHLOROPROPENE	1.00 U	U							
BROMOFORM	1.00 U	U							
METHYL ISOBUTYL KETONE (4-	5.00 U	U							
2-HEXANONE	5.00 U	U							
TETRACHLOROETHYLENE(PCE)	1.00 U	U							
1,1,2,2-TETRACHLOROETHANE	1.00 U	U							
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U							
TOLUENE	1.00 U	U							
CHLOROBENZENE	1.00 U	U							
ETHYLBENZENE	1.00 U	U							
STYRENE	1.00 U	U							
XYLENES, TOTAL	1.00 U	U							
1,3-DICHLOROBENZENE	1.00 U	U							
1,4-DICHLOROBENZENE	1.00 U	U							
1,2-DICHLOROBENZENE	1.00 U	U							
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U							
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U				10.0 U	U	10.0 U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U				10.0 U	U	10.0 U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U				10.0 U	U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	10.0 U				10.0 U	U	7.30 J

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	R205	R302	R303	R304	R305							
OGDEN ID												
Date Sampled												
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN												
8021W (UG/L) TERT-BUTYL METHYL ETHER												
OC21V (UG/L) CHLOROMETHANE												
VINYL CHLORIDE												
BROMOMETHANE												
CHLOROETHANE												
METHYLENE CHLORIDE												
ACETONE												
CARBON DISULFIDE												
1,1-DICHLOROETHENE												
1,1-DICHLOROETHANE												
CIS-1,2-DICHLOROETHYLENE												
TRANS-1,2-DICHLOROETHENE												
CHLOROFORM												
1,2-DICHLOROETHANE												
METHYL ETHYL KETONE (2-BUT												
BROMOCHLOROMETHANE												
1,1,1-TRICHLOROETHANE												
CARBON TETRACHLORIDE												
BROMODICHLOROMETHANE												
1,2-DICHLOROPROPANE												
CIS-1,3-DICHLOROPROPENE												
TRICHLOROETHYLENE (TCE)												

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	R205	R302	R303	R304	R305
OGDEN ID	R205	R302	R303	R304	R305
Date Sampled	9/5/97	9/4/97	9/5/97	9/5/97	9/5/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE					
1,1,2-TRICHLOROETHANE					
BENZENE					
TRANS-1,3-DICHLOROPROPENE					
BROMOFORM					
METHYL ISOBUTYL KETONE (4-2-HEXANONE					
TETRACHLOROETHYLENE(PCE)					
1,1,2,2-TETRACHLOROETHANE					
1,2-DIBROMOETHANE (ETHYLEN					
TOLUENE					
CHLOROBENZENE					
ETHYLBENZENE					
STYRENE					
XYLENES, TOTAL					
1,3-DICHLOROBENZENE					
1,4-DICHLOROBENZENE					
1,2-DICHLOROBENZENE					
1,2-DIBROMO-3-CHLOROPROPA					
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U			10.0 U	10.0 U
2,4-DINITROTOLUENE	10.0 U			10.0 U	10.0 U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U			10.0 U	10.0 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U			10.0 U	10.0 U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	R306	S01DFE			S01DFT			S02DAE			S04DAE		
OGDEN ID		S01DFE			S01DFT			S02DAE			S04DAE		
Date Sampled		8/21/97			8/21/97			8/20/97			8/13/97		
Depth													
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
504 (NG/L)													
1,2-DIBROMOETHANE (ETHYLEN													
8021W (UG/L)													
TERT-BUTYL METHYL ETHER													
OC21V (UG/L)													
CHLOROMETHANE													
VINYL CHLORIDE													
BROMOMETHANE													
CHLOROETHANE													
METHYLENE CHLORIDE													
ACETONE													
CARBON DISULFIDE													
1,1-DICHLOROETHENE													
1,1-DICHLOROETHANE													
CIS-1,2-DICHLOROETHYLENE													
TRANS-1,2-DICHLOROETHENE													
CHLOROFORM													
1,2-DICHLOROETHANE													
METHYL ETHYL KETONE (2-BUT													
BROMOCHLOROMETHANE													
1,1,1-TRICHLOROETHANE													
CARBON TETRACHLORIDE													
BROMODICHLOROMETHANE													
1,2-DICHLOROPROPANE													
CIS-1,3-DICHLOROPROPENE													
TRICHLOROETHYLENE (TCE)													

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	R306	S01DFE	S01DFE	S01DFE	S02DAE	S04DAE
OGDEN ID	R306	S01DFE	S01DFE	S01DFE	S02DAE	S04DAE
Date Sampled	9/5/97	8/21/97	8/21/97	8/21/97	8/20/97	8/13/97
Depth						
Method						
Analyte						
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
BENZENE	1.00 U	U	1.00 U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	U	1.00 U	U
BROMOFORM	1.00 U	U	1.00 U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-	5.00 U	U	5.00 U	U	5.00 U	U
2-HEXANONE	5.00 U	U	5.00 U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	1.00 U	U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	1.00 U	U	1.00 U	U
TOLUENE	1.00 U	U	1.00 U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
STYRENE	1.00 U	U	1.00 U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	1.00 U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	U	1.00 U	U
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	10.0 U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	10.0 U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	10.0 U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S04DAF	S04DAT	S04DET	S04DFT	S10DNT	
OGDEN ID	S04DAF	S04DAT	S04DET	S04DFT	S10DNT	
Date Sampled	8/13/97	8/13/97	8/14/97	8/15/97	8/1/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE
504 (NG/L) 1,2-DIBROMOETHANE (ETHYLEN 8021W (UG/L) TERT-BUTYL METHYL ETHER OC21V (UG/L)	9.70 U	U	9.60 U	U	9.40 U	U
	0.5000 U	U	0.5000 U	U	0.9300	
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	2.00 U	U	2.00 U	U	2.00 U	U
	5.00	U	5.00 U	U	5.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
1,1-DICHLOROETHENE 1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BUT BROMOCHLOROMETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE)	1.00 U	U	1.00 U	U	1.00 U	U
	0.5000 U	U	5.00 U	U	5.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U
	1.00 U	U	1.00 U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S04DAF	S04DAT	S04DET	S04DFT	S10DNT	
OGDEN ID	S04DAF	S04DAT	S04DET	S04DFT	S10DNT	
Date Sampled	8/13/97	8/13/97	8/14/97	8/15/97	8/1/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U	
BENZENE	1.00 U	U		1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U	
BROMOFORM	1.00 U	U		1.00 U	U	
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U		5.00 U	U	
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U		1.00 U	U	
CHLOROBENZENE	0.6000 J	J		1.00 U	U	
ETHYLBENZENE	1.00 U	U		1.00 U	U	
STYRENE	1.00 U	U		1.00 U	U	
XYLENES, TOTAL	1.00 U	U		1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U		1.00 U	U	
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE	10.0 U	U				
2,4-DINITROTOLUENE	10.0 U	U				
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U				
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U				

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	SI1DAE	SI1DAT	SI1DEF	SI1DET	SI2DAE					
OGDEN ID	SI1DAE	SI1DAT	SI1DEF	SI1DET	SI2DAE					
Date Sampled	8/8/97	8/8/97	8/11/97	8/11/97	8/5/97					
Depth										
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	
504 (NG/L)										
1,2-DIBROMOETHANE (ETHYLEN	10.0 U	U					9.80 U	U	9.90 U	U
8021W (UG/L)										
TERT-BUTYL METHYL ETHER	0.5000 U	U					0.5000 U	U	0.5000 U	U
OC21V (UG/L)										
CHLOROMETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U				U	1.00 U	U	1.00 U	U
BROMOMETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
CHLOROETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
METHYLENE CHLORIDE	0.3000 J	J				U	2.00 U	U	2.00 U	U
ACETONE	4.00 J	J				J	5.00 U	U	5.00 U	U
CARBON DISULFIDE	1.00 U	U				U	1.00 U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U				U	1.00 U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U				U	1.00 U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U				U	1.00 U	U	1.00 U	U
CHLOROFORM	1.00 U	U				U	2.00		0.2000 J	J
1,2-DICHLOROETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U				U	5.00 U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U				U	1.00 U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U				U	1.00 U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U				U	1.00 U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U				U	1.00 U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U				U	1.00 U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	SI1DAE	SI1DAT	SI1DEF	SI1DET	SI2DAE
OGDEN ID	SI1DAE	SI1DAT	SI1DEF	SI1DET	SI2DAE
Date Sampled	8/8/97	8/8/97	8/11/97	8/11/97	8/5/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U		1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U		1.00 U	U
BENZENE	1.00 U	U		1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U
BROMOFORM	1.00 U	U		1.00 U	U
METHYL ISOBUTYL KETONE (4- 2-HEXANONE	5.00 U	U		5.00 U	U
	5.00 U	U		5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U		1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U		1.00 U	U
1,2-DIBROMOETHANE (ETHYLENE TOLUENE	1.00 U	U		1.00 U	U
	1.00 U	U		1.00 U	U
CHLOROBENZENE	1.00 U	U		1.00 U	U
ETHYLBENZENE	1.00 U	U		1.00 U	U
STYRENE	1.00 U	U		1.00 U	U
XYLENES, TOTAL	1.00 U	U		1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U		1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA 8330SC (UG/L)	1.00 U	U		1.00 U	U
2,4,6-TRINITROTOLUENE	10.0 U	U		10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U		10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U		10.0 U	U
	10.0 U	U		10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S12DAT	S12DCT	S12DHT	S14DAEb	S14DATA
OGDEN ID	S12DAT	S12DCT	S12DHT	S14DAE	S14DAT
Date Sampled	8/5/97	8/6/97	8/7/97	7/29/97	7/21/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	9.70 U	U	U	9.20 U	U
8021W (UG/L)					
TERT-BUTYL METHYL ETHER	0.5000 U	U	U	0.5000 U	U
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U
ACETONE	5.00 U	U	U	5.00 U	R
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U
CHLOROFORM	1.00 U	U	U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S12DAT	S12DCT	S12DHT	S14DALEb	S14DATAa
OGDEN ID	S12DAT	S12DCT	S12DHT	S14DALE	S14DATA
Date Sampled	8/5/97	8/6/97	8/7/97	7/29/97	7/21/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-	5.00 U	U	U	5.00 U	U
2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	1.00 U	U	U	1.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE				10.0 U	U
2,4-DINITROTOLUENE				10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR				10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3				10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPa NO	S14DATb	S14DDE	S14DDF	S14DDT	S14DJE
OGDEN ID	S14DAT		S14DDF	S14DDT	
Date Sampled	7/29/97		7/22/97	7/22/97	
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	9.40 U	U		9.40 U	U
8021W (UG/L)					
TERT-BUTYL METHYL ETHER	0.5000 U	U		0.5000 U	U
OC21V (UG/L)					
CHLOROMETHANE					
VINYL CHLORIDE					
BROMOMETHANE					
CHLOROETHANE					
METHYLENE CHLORIDE					
ACETONE					
CARBON DISULFIDE					
1,1-DICHLOROETHENE					
1,1-DICHLOROETHANE					
CIS-1,2-DICHLOROETHYLENE					
TRANS-1,2-DICHLOROETHENE					
CHLOROFORM					
1,2-DICHLOROETHANE					
METHYL ETHYL KETONE (2-BUT					
BROMOCHLOROMETHANE					
1,1,1-TRICHLOROETHANE					
CARBON TETRACHLORIDE					
BROMODICHLOROMETHANE					
1,2-DICHLOROPROPANE					
CIS-1,3-DICHLOROPROPENE					
TRICHLOROETHYLENE (TCE)					

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S14DATE	S14DDE	S14DDF	S14DDT	S14DDE
OGDEN ID		S14DDE	S14DDF	S14DDT	S14DDE
Date Sampled		7/22/97	7/22/97	7/23/97	
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE					
1,1,2-TRICHLOROETHANE					
BENZENE					
TRANS-1,3-DICHLOROPROPENE					
BROMOFORM					
METHYL ISOBUTYL KETONE (4- 2-HEXANONE					
TETRACHLOROETHYLENE(PCE)					
1,1,2,2-TETRACHLOROETHANE					
1,2-DIBROMOETHANE (ETHYLEN TOLUENE					
CHLOROBENZENE					
ETHYLBENZENE					
STYRENE					
XYLENES, TOTAL					
1,3-DICHLOROBENZENE					
1,4-DICHLOROBENZENE					
1,2-DICHLOROBENZENE					
1,2-DIBROMO-3-CHLOROPROPA					
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE					
2,4-DINITROTOLUENE					
OCTAHYDRO-1,3,5,7-TETRANITR					
HEXAHYDRO-1,3,5-TRINITRO-1,3					

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S15DBT	S15DFE	S17DAE	S17DAT	S28DCE				
OGDEN ID	S15DBT		S17DAE	S17DAT	S28DCE				
Date Sampled	8/28/97		8/12/97		7/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
504 (NG/L)									
	1,2-DIBROMOETHANE (ETHYLEN	10.0 U	U				9.90 U	U	U
8021W (UG/L)									
TERT-BUTYL METHYL ETHER	0.5000 U	U		0.5000 U	U		0.5000 U	U	U
OC21V (UG/L)									
	CHLOROMETHANE	1.00 U	U	1.00 U	U		1.00 U	U	U
VINYL CHLORIDE	1.00 U	U		1.00 U	U		1.00 U	U	U
BROMOMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
CHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
METHYLENE CHLORIDE	2.00 U	U		2.00 U	U		2.00 U	U	U
ACETONE	5.00 U	U		3.00 J	J		5.00 U	U	R
CARBON DISULFIDE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,1-DICHLOROETHENE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,1-DICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U		1.00 U	U		1.00 U	U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U		1.00 U	U		1.00 U	U	U
CHLOROFORM	1.00 U	U		1.00 U	U		1.00 U	U	U
1,2-DICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U		5.00 U	U		5.00 U	U	U
BROMOCHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,1,1-TRICHLOROETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
CARBON TETRACHLORIDE	1.00 U	U		1.00 U	U		1.00 U	U	U
BROMODICHLOROMETHANE	1.00 U	U		1.00 U	U		1.00 U	U	U
1,2-DICHLOROPROPANE	1.00 U	U		1.00 U	U		1.00 U	U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U		1.00 U	U		1.00 U	U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U		1.00 U	U		1.00 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S15DBT	S15DFE	S17DAE	S17DAT	S28DCE				
OGDEN ID	S15DBT	S15DFE	S17DAE	S17DAT	S28DCE				
Date Sampled	8/28/97	8/29/97	8/12/97	8/12/97	7/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21V (UG/L) Continued									
DIBROMOCHLOROMETHANE	1.00 U	U					1.00 U	U	
1,1,2-TRICHLOROETHANE	1.00 U	U					1.00 U	U	
BENZENE	1.00 U	U					1.00 U	U	
TRANS-1,3-DICHLOROPROPENE	1.00 U	U					1.00 U	U	
BROMOFORM	1.00 U	U					1.00 U	U	
METHYL ISOBUTYL KETONE (4-	5.00 U	U					5.00 U	U	
2-HEXANONE	5.00 U	U					5.00 U	U	
TETRACHLOROETHYLENE(PCE)	1.00 U	U					1.00 U	U	
1,1,2,2-TETRACHLOROETHANE	1.00 U	U					1.00 U	U	
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U					1.00 U	U	
TOLUENE	1.00 U	U					1.00 U	U	
CHLOROBENZENE	1.00 U	U					1.00 U	U	
ETHYLBENZENE	1.00 U	U					1.00 U	U	
STYRENE	1.00 U	U					1.00 U	U	
XYLENES, TOTAL	1.00 U	U					1.00 U	U	
1,3-DICHLOROBENZENE	1.00 U	U					1.00 U	U	
1,4-DICHLOROBENZENE	1.00 U	U					1.00 U	U	
1,2-DICHLOROBENZENE	1.00 U	U					1.00 U	U	
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U					1.00 U	U	
8330SC (UG/L)									
2,4,6-TRINITROTOLUENE			10.0 U	U			10.0 U	U	
2,4-DINITROTOLUENE			10.0 U	U			10.0 U	U	
OCTAHYDRO-1,3,5,7-TETRANITR			10.0 U	U			10.0 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3			10.0 U	U			10.0 U	U	

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S28DCT	S29DAE	S29DAT	W09SSA	W09SSD				
OGDEN ID	S28DCT	S29DAE	S29DAT	W09SSA	W09SSD				
Date Sampled	7/28/97	7/31/97	7/31/97	10/29/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
504 (NG/L)									
1,2-DIBROMOETHANE (ETHYLEN	9.30 U	U	U	9.50 U	U	U	9.40 U	U	U
8021W (UG/L)									
TERT-BUTYL METHYL ETHER	0.5000 U	U	U	0.5000 U	U	U	0.5000 U	U	U
OC21V (UG/L)									
CHLOROMETHANE	1.00 U	U	U	1.00	U	U	1.00 U	UJ	C
VINYL CHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMOMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYLENE CHLORIDE	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U
ACETONE	5.00 U	U	U	5.00 U	U	U	5.00 U	R	R
CARBON DISULFIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CHLOROFORM	0.5000 J	J	J	0.2000 J	J	J	0.4000 J	J	J
1,2-DICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
BROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CARBON TETRACHLORIDE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
BROMODICHLOROMETHANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
1,2-DICHLOROPROPANE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	S28DCT	S29DAE	S29DAT	W09SSA	W09SSD
OGDEN ID	S28DCT	S29DAE	S29DAT	W09SSA	W09SSD
Date Sampled	7/28/97	7/31/97	7/31/97	10/29/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	U	1.00 U	U
TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE	10.0 U	U	U	10.0 U	U
2,4-DINITROTOLUENE	10.0 U	U	U	10.0 U	U
OCTAHYDRO-1,3,5,7-TETRANITR	10.0 U	U	U	10.0 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	10.0 U	U	U	10.0 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	W09SSE	W09SST	W18DDA	W18DDT	W21SSA
OGDEN ID	W09SSE	W09SST	W18DDA	W18DDT	W21SSA
Date Sampled	10/29/97	10/29/97	10/22/97	10/22/97	10/24/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21V (UG/L) Continued					
DIBROMOCHLOROMETHANE	1.00 U	U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	U	1.00 U	U
BENZENE	1.00 U	U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	U	1.00 U	U
BROMOFORM	1.00 U	U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4- 2-HEXANONE	5.00 U	U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE	1.00 U	U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	U	1.00 U	U
STYRENE	1.00 U	U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	U	1.00 U	U
8330SC (UG/L)					
2,4,6-TRINITROTOLUENE					
2,4-DINITROTOLUENE					
OCTAHYDRO-1,3,5,7-TETRANITR					
HEXAHYDRO-1,3,5-TRINITRO-1,3					

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Ogden Environmental and Energy Services

EPA NO	W21SSE	W21SST	W23DDA	W23DDE	W23SSA
OGDEN ID	W21SSE	W21SST	W23DDA	W23DDE	W23SSA
Date Sampled	10/23/97	10/24/97	10/28/97	10/28/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	9.70 U	U			
8021W (UG/L)	0.5000 U	U			
TERT-BUTYL METHYL ETHER					
OC21V (UG/L)	1.00 U	U			
CHLOROMETHANE	1.00 U	U			
VINYL CHLORIDE	1.00 U	U			
BROMOMETHANE	1.00 U	U			
CHLOROETHANE	1.00 U	U			
METHYLENE CHLORIDE	2.00 U	U			
ACETONE	4.00 J	J			
CARBON DISULFIDE	1.00 U	U			
1,1-DICHLOROETHENE	1.00 U	U			
1,1-DICHLOROETHANE	1.00 U	U			
CIS-1,2-DICHLOROETHYLENE	1.00 U	U			
TRANS-1,2-DICHLOROETHENE	1.00 U	U			
CHLOROFORM	1.00 U	U			
1,2-DICHLOROETHANE	1.00 U	U			
METHYL ETHYL KETONE (2-BUT	5.00 U	U			
BROMOCHLOROMETHANE	1.00 U	U			
1,1,1-TRICHLOROETHANE	1.00 U	U			
CARBON TETRACHLORIDE	1.00 U	U			
BROMODICHLOROMETHANE	1.00 U	U			
1,2-DICHLOROPROPANE	1.00 U	U			
CIS-1,3-DICHLOROPROPENE	1.00 U	U			
TRICHLOROETHYLENE (TCE)	1.00 U	U			

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	W21SSE	W21SST	W231DDA	W23DDDE	W23SSA	
OGDEN ID	W21SSE	W21SST	W231DDA	W23DDDE	W23SSA	
Date Sampled	10/23/97	10/24/97	10/28/97	10/28/97	10/27/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
BENZENE	1.00 U	U	1.00 U	U	1.00 U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	U	1.00 U	U
BROMOFORM	1.00 U	U	1.00 U	U	1.00 U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE	5.00 U	U	5.00 U	U	5.00 U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	5.00 U	U	5.00 U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMOETHANE (ETHYLEN	1.00 U	U	1.00 U	U	1.00 U	U
TOLUENE	0.3000 J	J	1.00 U	U	1.00 U	U
CHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
ETHYLBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
STYRENE	1.00 U	U	1.00 U	U	1.00 U	U
XYLENES, TOTAL	1.00 U	U	1.00 U	U	1.00 U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	U	1.00 U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	U	1.00 U	U
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE						
2,4-DINITROTOLUENE						
OCTAHYDRO-1,3,5,7-TETRANITR						
HEXAHYDRO-1,3,5-TRINITRO-1,3						

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Validated MMR Data for SDGs 1-17, 28-30

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	W23SSE	W23SST	WL31XT	WSCNRA	WSCNRT
OGDEN ID	W23SSE	W23SST	WL31XT	WSCNRA	WSCNRT
Date Sampled	10/27/97	10/27/97	10/21/97	10/23/97	10/23/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
504 (NG/L)					
1,2-DIBROMOETHANE (ETHYLEN	9.50 U	U		9.40 U	U
8021W (UG/L)					
TERT-BUTYL METHYL ETHER	0.5000 U	U	0.5000 U	0.5000 U	U
OC21V (UG/L)					
CHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U
VINYL CHLORIDE	1.00 U	U	1.00 U	1.00 U	U
BROMOMETHANE	1.00 U	U	1.00 U	1.00 U	U
CHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
METHYLENE CHLORIDE	2.00 U	U	2.00 U	2.00 U	U
ACETONE	5.00 U	U	5.00 U	5.00 U	J
CARBON DISULFIDE	1.00 U	U	1.00 U	1.00 U	U
1,1-DICHLOROETHENE	1.00 U	U	1.00 U	1.00 U	U
1,1-DICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
CIS-1,2-DICHLOROETHYLENE	1.00 U	U	1.00 U	1.00 U	U
TRANS-1,2-DICHLOROETHENE	1.00 U	U	1.00 U	1.00 U	U
CHLOROFORM	1.00 U	U	1.00 U	1.00 U	U
1,2-DICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
METHYL ETHYL KETONE (2-BUT	5.00 U	U	5.00 U	5.00 U	U
BROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U
1,1,1-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U
CARBON TETRACHLORIDE	1.00 U	U	1.00 U	1.00 U	U
BROMODICHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U
1,2-DICHLOROPROPANE	1.00 U	U	1.00 U	1.00 U	U
CIS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	U
TRICHLOROETHYLENE (TCE)	1.00 U	U	1.00 U	1.00 U	U

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GROUP A: Water Data for Methods 504, 8021, 8330SC and OC21V

EPA NO	W23SSE	W23SST	WL31XT	W3CNRA	W3CNRT	
OGDEN ID	W23SSE	W23SST	WL31XT	W3CNRA	W3CNRT	
Date Sampled	10/27/97	10/27/97	10/21/97	10/23/97	10/23/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21V (UG/L) Continued						
DIBROMOCHLOROMETHANE	1.00 U	U	1.00 U	1.00 U	U	U
1,1,2-TRICHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U	U
BENZENE	1.00 U	U	1.00 U	1.00 U	U	U
TRANS-1,3-DICHLOROPROPENE	1.00 U	U	1.00 U	1.00 U	U	U
BROMOFORM	1.00 U	U	1.00 U	1.00 U	U	U
METHYL ISOBUTYL KETONE (4-2-HEXANONE)	5.00 U	U	5.00 U	5.00 U	U	U
TETRACHLOROETHYLENE(PCE)	5.00 U	U	5.00 U	5.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	1.00 U	U	1.00 U	1.00 U	U	U
1,2-DIBROMOETHANE (ETHYLEN TOLUENE)	1.00 U	U	1.00 U	1.00 U	U	U
CHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	U
ETHYLBENZENE	1.00 U	U	1.00 U	1.00 U	U	U
STYRENE	1.00 U	U	1.00 U	1.00 U	U	U
XYLENES, TOTAL	0.2000 J	J	1.00 U	1.00 U	U	U
1,3-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	U
1,4-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	U
1,2-DICHLOROBENZENE	1.00 U	U	1.00 U	1.00 U	U	U
1,2-DIBROMO-3-CHLOROPROPA	1.00 U	U	1.00 U	1.00 U	U	U
8330SC (UG/L)						
2,4,6-TRINITROTOLUENE						
2,4-DINITROTOLUENE						
OCTAHYDRO-1,3,5,7-TETRANITR						
HEXAHYDRO-1,3,5-TRINITRO-1,3						

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EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA			
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA			
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	41.00							
353.2M (MG/KG) NITRATE/NITRITE (AS N)	0.04	J	F				J	F
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	150.00	J	J	*2			J	*2
CYAN (MG/KG) CYANIDE	0.67 U	U	U				U	U
IM40 (MG/KG) ALUMINUM	11600.00							
ANTIMONY	0.96 B	J	*10				U	U
ARSENIC	4.20							
BARIUM	20.20 B							
BERYLLIUM	0.22 B							
CADMIUM	0.35 B		U				U	U
CALCIUM	262.00 B							
CHROMIUM, TOTAL	11.70							
COBALT	1.90 B							
COPPER	37.10	J	F				J	F
IRON	13600.00							
LEAD	48.30							
MAGNESIUM	855.00 B							
MANGANESE	56.70							
NICKEL	6.00 B							
POTASSIUM	671.00 B							
SELENIUM	2.30	J	*2				J	*10

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/KG)					
NITROGEN, AMMONIA (AS N)	8.20	J F	J F	5.90	J F
353.2M (MG/KG)					
NITRATE/NITRITE (AS N)	0.10			0.02	J F
365.2 (MG/KG)					
PHOSPHORUS, TOTAL ORTHOP	78.00	J *2	J *2	52.00	J *2
CYAN (MG/KG)					
CYANIDE	0.67 U	UJ H	UJ H	0.61 U	U
IM40 (MG/KG)					
ALUMINUM	21900.00			14900.00	
ANTIMONY	0.56 U	U	U	0.42 U	U
ARSENIC	5.30			4.70	
BARIUM	17.10 B			15.70 B	
BERYLLIUM	0.29 B			0.29 B	
CADMIUM	2.00			0.06 U	UJ I
CALCIUM	178.00 B			104.00 B	
CHROMIUM, TOTAL	16.90			16.30	
COBALT	3.70 B			3.70 B	
COPPER	405.00			17.50	J F
IRON	16000.00			15400.00	
LEAD	62.30			10.00	
MAGNESIUM	1560.00			1650.00	
MANGANESE	85.80			72.20	
NICKEL	8.10			8.00	
POTASSIUM	767.00 B	J F	J F	598.00 B	J F
SELENIUM	1.60	J *2	J I,*2	1.60	J I,*2

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
OGIDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued					
SILVER	0.52 U	U		0.39 U	U
SODIUM	67.50 U	U		50.80 U	U
THALLIUM	0.80 U	U		0.61 U	U
VANADIUM	25.90			23.00	19.60
ZINC	57.30			27.30	37.20
IM40HG (MG/KG)					
MERCURY	0.06 U	U		0.06 U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA						
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA						
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97						
Depth	0.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE			
350.2M (MG/KG)											
NITROGEN, AMMONIA (AS N)	10.50	J	*2,F	3.90	J	*2,F	14.80	16.80	10.00	J	Q
353.2M (MG/KG)											
NITRATE/NITRITE (AS N)	0.04			0.02			1.10	0.02	0.03	J	F
365.2 (MG/KG)											
PHOSPHORUS, TOTAL ORTHOP	119.00	J	*2	92.00	J	*2	120.00	111.00	124.00	J	Q,E
CYAN (MG/KG)											
CYANIDE	0.66	U		0.72	U		0.58	0.67	1.80	U	
IM40 (MG/KG)											
ALUMINUM	13300.00			15100.00			7200.00	16600.00	10400.00		
ANTIMONY	0.57	U		0.58	U		0.55	0.53	0.65	U	Q
ARSENIC	4.20			6.10			2.30	4.70	3.20	J	B
BARIUM	12.20	B		17.00	B		9.90	15.60	13.50	B	
BERYLLIUM	0.26	B		0.32	B		0.16	0.27	0.24	B	
CADMIUM	0.08	U		0.08	U		3.50	0.08	0.09	U	
CALCIUM	99.50	B		288.00	B		115.00	100.00	169.00	B	
CHROMIUM, TOTAL	15.00			17.40			8.40	17.40	11.70		
COBALT	3.40	B		4.30	B		2.00	3.20	4.10	B	
COPPER	21.30	J	F	29.20	J	F	141.00	26.50	27.80	J	F
IRON	14600.00			15900.00			9770.00	16800.00	13000.00		
LEAD	10.90			12.30			24.80	14.40	12.10	J	Q
MAGNESIUM	1520.00			1970.00			716.00	1420.00	1190.00		
MANGANESE	71.30			84.60			88.80	66.10	107.00		
NICKEL	7.30	B	F	9.20	J	F	4.50	7.80	5.90	B	F
POTASSIUM	520.00	B		695.00	B		334.00	511.00	596.00	B	
SELENIUM	1.90	J	*2	1.50	J	*2	1.10	1.70	1.20	J	*2

T:\MMR\VSNAPOFB\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41.3 read by RGSCOTTLE

T:\MMR\VSNAPOFB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03OAD	B06AAA		B06BAA	B06CAA	B06DAA			
OGDEN ID	B03OAD	B06AAA		B06BAA	B06CAA	B06DAA			
Date Sampled	10/28/97	10/24/97		10/24/97	10/24/97	10/24/97			
Depth		0.00		0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
350.2M (MG/KG) NITROGEN, AMMONIA (AS N) 353.2M (MG/KG) NITRATE/NITRITE (AS N) 365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG) CYANIDE IM40 (MG/KG) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM	9.70	J	Q	13.90	14.50	18.50	18.10		
	0.04	J	F	0.06	0.07	0.04	0.04	J	F
	109.00	J	Q,E	114.00	106.00	111.00	78.10	J	*2
	0.68	U	U	0.64	0.67	0.74	0.64	U	U
	9030.00	UJ	Q	6120.00	7450.00	11100.00	5240.00	UJ	U
	0.66	U	U	0.66	0.91	0.78	0.69	U	U
	3.30	J	B	2.20	2.50	3.50	2.10	J	B
	11.40	B	B	8.70	9.90	12.30	11.80	B	B
	0.20	B	B	0.08	0.09	0.17	0.07	B	B
	0.09	U	U	0.09	0.09	0.10	0.10	U	U
	110.00	B	B	127.00	185.00	123.00	149.00	B	B
	10.30			5.30	6.60	11.20	5.10		
	3.10	B	F	0.67	0.89	1.90	0.85	B	B
	36.10	J	F	2.00	2.40	5.00	3.10	B	B
	11600.00			5660.00	9420.00	13000.00	7450.00		
	11.80	J	Q	12.30	11.30	16.50	13.90		
	862.00	B		246.00	365.00	652.00	271.00	B	B
	77.00			11.80	16.80	28.20	13.30		
5.20	B	F	2.20	2.20	3.90	2.10	B	B	
457.00	B		227.00	294.00	402.00	284.00	B	B	
0.92	U	U	0.92	1.50	1.10	0.95	U	U	

T:\MMR\VSNA\PF\B\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41.3 read by RGSCHOTTLE

T:\MMR\VSNA\PF\B\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B030AD	B06AAA	B06BAA	B06CAA	B06DAA			
OGDEN ID	B030AD	B06AAA	B06BAA	B06CAA	B06DAA			
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97			
Depth		0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (MG/KG) Continued								
SILVER	0.57 B	J B	U	U	0.24 U	U	U	U
SODIUM	98.80 U	U	U	U	94.10 U	U	U	U
THALLIUM	1.40 U	U	U	U	1.30 U	U	U	U
VANADIUM	21.60	J A			20.20			
ZINC	27.20	J A			9.20			
IM40HG (MG/KG)								
MERCURY	0.06 U	U	U	U	0.10 B	U	U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA						
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA						
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97						
Depth	0.00	0.00	0.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL		
350.2M (MG/KG)											
NITROGEN, AMMONIA (AS N)	15.60			17.90			18.20			29.60	
353.2M (MG/KG)											
NITRATE/NITRITE (AS N)	0.08		J F	0.02		J F	0.03		J F	0.07	
365.2 (MG/KG)											
PHOSPHORUS, TOTAL ORTHOP	110.00	J *2	J *2	106.00		J *2	573.00		J *2	124.00	J *2
CYAN (MG/KG)											
CYANIDE	0.67 U	U	U	0.60 U		UJ Q	0.65 U		UJ Q	0.77 U	UJ Q
IM40 (MG/KG)											
ALUMINUM	6480.00			6150.00			5090.00			12200.00	
ANTIMONY	0.74 B	UJ B	U	0.58 U		J *10	0.60 B		U	0.72 U	U
ARSENIC	2.20	J B	J B	2.00 B			2.40			5.50	
BARIUM	10.10 B			9.70 B			11.30 B			20.00 B	
BERYLLIUM	0.12 B			0.11 B			0.11 B			0.18 B	
CADMIUM	0.09 U	U	U	0.08 U		U	0.08 U		U	0.10 U	U
CALCIUM	127.00 B			121.00 B			129.00 B			277.00 B	
CHROMIUM, TOTAL	5.90			5.40			5.10			12.50	
COBALT	0.85 B			0.86 B			0.82 B			2.70 B	
COPPER	2.90 B			2.40 B			8.00			9.30	
IRON	7660.00			7160.00			8770.00		J E	14100.00	J E
LEAD	11.50			10.20			40.20			28.50	
MAGNESIUM	254.00 B			216.00 B			269.00 B			974.00 B	
MANGANESE	14.30			15.00			29.00			48.00	
NICKEL	2.30 B			2.60 B			2.00 B			7.20 B	
POTASSIUM	239.00 B			173.00 B			281.00 B			515.00 B	
SELENIUM	0.95 B	J *10	J *10	0.92 B		UJ B	0.77 U		J B,*2	1.50	J B,*2

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA										
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA										
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97										
Depth	0.00	0.00	0.00	0.00	0.00										
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued															
SILVER	0.24 U	U				0.21 U	UJ	B	0.23 U	UJ	B	0.27 U	U	UJ	B
SODIUM	93.00 U	U				83.30 U	U		88.40 U	U		107.00 U	U	U	
THALLIUM	1.30 U	U				1.40 B	J	*2,*10	1.30 B	J	*2,*10	1.50 U	U	U	
VANADIUM	17.40					15.20			28.10			33.90			
ZINC	9.20					13.10			16.20			20.70			
IM40HG (MG/KG)															
MERCURY	0.09 B	UJ	B			0.06 U	U		0.06 U	U		0.06 U	U	U	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B07DAA	B07EAA				B07EAD				B08AAA				B08BAA			
OGDEN ID	B07DAA	B07EAA				B07EAD				B08AAA				B08BAA			
Date Sampled	10/22/97	10/22/97				10/22/97				10/23/97				10/23/97			
Depth	0.00	0.00				0.00				0.00				0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
350.2M (MG/KG)	19.30												23.30				
NITROGEN, AMMONIA (AS N)																	
353.2M (MG/KG)	0.13												0.05				
NITRATE/NITRITE (AS N)																	
365.2 (MG/KG)	133.00	J	*2				J	*2					136.00	J	*2		
PHOSPHORUS, TOTAL ORTHOP																	
CYAN (MG/KG)																	
CYANIDE	0.61	U	UJ	Q			UJ	Q					0.70	U	UJ	Q	
IM40 (MG/KG)																	
ALUMINUM	5780.00												2460.00				
ANTIMONY	0.52	U	U				U						0.58	U	U		
ARSENIC	3.30												1.70	B			
BARIUM	9.60	B					B						15.60	B			
BERYLLIUM	0.08	B					B						0.04	B	J	*10	
CADMIUM	0.07	U	U				U						0.08	U	U		
CALCIUM	142.00	B					B						357.00	B			
CHROMIUM, TOTAL	5.80												2.60				
COBALT	0.98	B					B						0.32	B	J	*10	
COPPER	7.50												2.50	B			
IRON	8940.00	J	E				J	E					3580.00	J	E		
LEAD	17.10												12.40				
MAGNESIUM	347.00	B					B						165.00	B			
MANGANESE	19.40												20.00				
NICKEL	2.50	B					B						1.90	B			
POTASSIUM	286.00	B					B						156.00	B			
SELENIUM	1.00	J	B,*2				J	B,*2					0.80	U	UJ	B	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (MG/KG) Continued					
SILVER	0.20 U	UJ B	UJ B	0.22 U	UJ B
SODIUM	77.70 U	U	U	86.50 U	U
THALLIUM	1.10 U	U	U	1.20 U	U
VANADIUM	21.80			12.20	3.70 B
ZINC	10.40			7.90	3.40 B
IM40HG (MG/KG)					
MERCURY	0.05 U	U	U	0.05 U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EAD
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	
Depth	0.00	0.00	0.00	20.00	?
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/KG)					
NITROGEN, AMMONIA (AS N)	9.50	J	*2	25.30	25.30
353.2M (MG/KG)					
NITRATE/NITRITE (AS N)	0.07			0.16	0.16
365.2 (MG/KG)					
PHOSPHORUS, TOTAL ORTHOP	57.40	J	*2	100.00	100.00
CYAN (MG/KG)					
CYANIDE	0.62	U	UJ	0.71	U
IM40 (MG/KG)					
ALUMINUM	1030.00			2660.00	2660.00
ANTIMONY	0.51	U	U	0.71	U
ARSENIC	0.88	B	UJ	1.20	B
BARIUM	6.50	B		18.90	B
BERYLLIUM	0.02	U		0.03	B
CADMIUM	0.07	U	U	0.10	U
CALCIUM	60.50	B		391.00	B
CHROMIUM, TOTAL	1.30	B	B	2.40	B
COBALT	0.23	U		0.32	U
COPPER	1.60	B	F	2.20	B
IRON	1300.00	J	E	2360.00	J
LEAD	10.30			15.50	
MAGNESIUM	54.60	B		157.00	B
MANGANESE	4.00			13.40	
NICKEL	0.67	B	B	1.10	B
POTASSIUM	79.00	B		186.00	B
SELENIUM	0.70	U	UJ	1.30	J

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA				
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA				
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97					
Depth	0.00	0.00	0.00	20.00	?				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued									
SILVER	0.19 U	UJ B	UJ B	0.23 U	UJ B	UJ B	0.27 U	UJ B	UJ B
SODIUM	75.20 U	U	U	90.90 U	U	U	105.00 U	U	U
THALLIUM	1.00 U	U	U	1.30 U	U	U	1.50 U	U	U
VANADIUM	5.10 B			15.30			7.70 B		
ZINC	2.80 B			7.60			9.50		
IM40HG (MG/KG)									
MERCURY	0.05 U	U	U	0.06 U	U	U	0.06 U	U	U

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Validated MMR Data for SDGs 1-17, 28-30

Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

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EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA							
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA							
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97							
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	27.10			J *2	14.80	24.90			23.50	19.00		
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.04	J F	J	U	0.01 U	0.04	J F	J	0.04	0.04	J F	F
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	107.00	J *2	J	J *2	114.00	122.00	J *2	J	161.00	135.00	J	*2
CYAN (MG/KG)												
CYANIDE	0.68 U	U	U	U	0.67 U	0.79 U	U	U	0.75 U	0.60 U	U	U
IM40 (MG/KG)												
ALUMINUM	9350.00				13000.00	12200.00			5290.00	3930.00		
ANTIMONY	0.78 U	U	U	U	0.72 B	0.82 U	U	U	1.00 B	0.59 U	U	U
ARSENIC	3.40	J B	J		4.20	3.30	J B	J	2.20 B	1.20 B	J B	B
BARIUM	17.10 B				15.60 B	21.40 B			12.60 B	12.20 B		
BERYLLIUM	0.14 B				0.24 B	0.19 B			0.10 B	0.08 B		
CADMIUM	0.11 U	U	U	U	0.08 U	0.11 U	U	U	0.10 U	0.08 U	U	U
CALCIUM	282.00 B				187.00 B	357.00 B			135.00 B	167.00 B		
CHROMIUM, TOTAL	9.20				14.40	12.70			5.80	4.50		
COBALT	1.40 B				3.30 B	2.20 B			1.00 B	0.80 B		
COPPER	26.40				11.60	20.90			21.40	17.60		
IRON	10500.00				12900.00	14600.00			8020.00	6610.00		
LEAD	15.80				9.40	24.10			17.00	12.00		
MAGNESIUM	552.00 B				1610.00	877.00 B			270.00 B	269.00 B		
MANGANESE	47.50				62.50	54.60			25.80	38.90		
NICKEL	3.60 B				6.80 B	6.30 B			2.70 B	1.90 B		
POTASSIUM	440.00 B				686.00 B	522.00 B			276.00 B	282.00 B		
SELENIUM	1.10 U	U	U	J *10	0.92 B	1.40 B	J	*10	1.00 U	0.81 U	U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B11AAA	B11BAA	B11CAA	B11DAA	B11EAA
OGDEN ID	B11AAA	B11BAA	B11CAA	B11DAA	B11EAA
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (MG/KG) Continued					
SILVER	0.30 U	U		0.26 B	J *10
SODIUM	116.00 U	U		87.20 U	U
THALLIUM	1.80 B	J		1.20 U	U
VANADIUM	21.70			13.10	
ZINC	23.00			14.20	
IM40HG (MG/KG)					
MERCURY	0.11 B	UJ B		0.10 B	UJ B

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA							
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA							
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97							
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	16.30											
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.02	J	F									
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	439.00	J	*2									
CYAN (MG/KG)												
CYANIDE	0.71	U										
IM40 (MG/KG)												
ALUMINUM	4610.00											
ANTIMONY	1.10	B	UJ	B,Q								
ARSENIC	0.67	B	J	B,*10								
BARIUM	12.20	B										
BERYLLIUM	0.08	B										
CADMIUM	0.09	U										
CALCIUM	167.00	B										
CHROMIUM, TOTAL	5.40											
COBALT	1.00	B										
COPPER	15.30											
IRON	7290.00											
LEAD	12.20											
MAGNESIUM	342.00	B										
MANGANESE	40.60											
NICKEL	2.30	B										
POTASSIUM	309.00	B										
SELENIUM	0.95	U	U									

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T:\MMR\VSNAPO9B\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD			
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD			
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)								
NITROGEN, AMMONIA (AS N)	2.70	J	Q,*2					
353.2M (MG/KG)								
NITRATE/NITRITE (AS N)	0.01 U	U						
365.2 (MG/KG)								
PHOSPHORUS, TOTAL ORTHOP	60.50	J	Q,E					
CYAN (MG/KG)								
CYANIDE	0.61 U	U						
IM40 (MG/KG)								
ALUMINUM	8640.00	0.64 U	UJ	Q				
ANTIMONY	3.30	3.30	J	B				
ARSENIC	12.80 B	0.30 B						
BARIUM	0.30 B	0.09 U	U					
BERYLLIUM	67.90 B	10.70						
CADMIUM	4.30 B	7.10						
CALCIUM	11100.00	7.20	J	Q				
CHROMIUM, TOTAL	1220.00	92.40						
COBALT	5.80 B	410.00 B						
COPPER	0.88 U	0.83 U	U					
IRON								
LEAD								
MAGNESIUM								
MANGANESE								
NICKEL								
POTASSIUM								
SELENIUM								

T:\MMR\VSNA9\FB\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41.3 read by RGSCHOTTLE

T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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EPA NO	BOPAAA	BOPBAA	S00DAAAa	S01DAA	S01DAD							
OGDEN ID	BOPAAA	BOPBAA	S00DAA	S01DAA	S01DAD							
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97							
Depth			0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	8.50	J	Q,*2						7.20	J	*2,F	
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.11								0.28			
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	70.70	J	Q,E						109.00	J	Q,*2	
CYAN (MG/KG)												
CYANIDE	0.55	U							0.64	U		
IM40 (MG/KG)												
ALUMINUM	4170.00								7180.00			
ANTIMONY	0.70	B	B,Q						0.57	U		
ARSENIC	0.91	B	J	B,*10					2.70			
BARIUM	3.90	B							9.20	B		
BERYLLIUM	0.07	B							0.20	B		
CADMIUM	0.08	U	U						0.08	U		
CALCIUM	73.80	B							160.00	B		
CHROMIUM, TOTAL	2.90								6.90			
COBALT	0.66	B							1.90	B		
COPPER	3.10	B							11.20			
IRON	4740.00								9620.00			
LEAD	10.50	J	Q						10.80	J		
MAGNESIUM	157.00	B							668.00	B		
MANGANESE	12.20								52.60			
NICKEL	1.50	B							3.00	B		
POTASSIUM	108.00	B							309.00	B		
SELENIUM	0.78	U	U						0.63	U		

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	BOPAAA	BOPBAA	S001DAAA	S01DAA	S01DAD
OGDEN ID	BOPAAA	BOPBAA	S001DAA	S01DAA	S01DAD
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97
Depth			0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
IM40 (MG/KG) Continued					
SILVER	0.22 U	UJ B	UJ B	0.53 U	U
SODIUM	84.50 U	U	U	68.30 U	U
THALLIUM	1.20 U	U	U	0.81 U	U
VANADIUM	12.00	J A	J A	16.40	16.80
ZINC	8.20	J A	J A	17.40	12.80
IM40HG (MG/KG)					
MERCURY	0.05 U	U	U	0.06 U	J Q

T:\MMR\VSNA9FB\GROUPB.DB (5581 records) 02/09/98 17:41:3 read by RGSCOTTLE

T:\MMR\VSNA9FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SO1DCA	SO1DDA	SO1DEA	SO1DGA								
OGDEN ID	SO1DCA	SO1DDA	SO1DEA	SO1DGA								
Date Sampled	8/20/97	8/20/97	8/20/97	8/21/97								
Depth	10.00	20.00	30.00	50.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	2.40 U	UJ	*2		2.45 U	UJ	UJ	*2	2.46 U	UJ	UJ	*2
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.05				0.02				0.02			
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	88.00	J	*2		78.00	J	J	*2	36.00	J	J	*2
CYAN (MG/KG)												
CYANIDE	0.54 U	U			0.51 U	U	U		0.52 U	U	U	
IM40 (MG/KG)												
ALUMINUM	3440.00				2760.00				738.00			
ANTIMONY	0.48 U	U			0.54 U	U	U		0.47 U	U	U	
ARSENIC	0.98 B	J	*10		1.00 B	J	J	*10	1.10 B	J	J	*10
BARIUM	13.20 B				15.90 B				9.00 B			
BERYLLIUM	0.24 B				0.18 B		J	*10	0.09 B			
CADMIUM	0.07 U	U			0.08 U	U	U		0.07 U	U	U	
CALCIUM	207.00 B				246.00 B		J	*10	53.40 B		J	*10
CHROMIUM, TOTAL	14.40				5.00				1.30 B			
COBALT	3.10 B				2.40 B				0.49 B		J	*10
COPPER	4.90				3.90 B				1.40 B			
IRON	7120.00	J	E		5400.00	J	E		2020.00			
LEAD	3.80	J	E		6.80				1.50			
MAGNESIUM	1790.00				1510.00				164.00 B			
MANGANESE	157.00				212.00				9.70			
NICKEL	5.70 B				3.40 B		J	*10	0.49 B	J		
POTASSIUM	751.00 B				1030.00		J	*10	165.00 B			
SELENIUM	0.53 U	U			0.60 U	U	U		0.52 U	U	U	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S01DHA	S01DIA			S01DJA			S01DKA			S01DLA		
OGDEN ID	S01DHA	S01DIA			S01DJA			S01DKA			S01DLA		
Date Sampled	8/21/97	8/21/97			8/21/97			8/21/97			8/22/97		
Depth	60.00		70.00		80.00		90.00		100.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	4.00		UJ	B,*2	3.80		UJ	B,*2	2.56	U			
	0.02				0.02				0.02				
	82.00		J	*2	48.00		J	*2	57.00		J	*2	
	0.54	U	U		0.52	U	U		0.53	U	U		
	1370.00				855.00				825.00				
	0.49	U	U		0.51	U	U		0.49	U	U		
	0.75	B	J	*10	0.70	B	J	*10	0.91	B	J	*10	
	4.70	B			3.50	B			3.50	B			
	0.10	B			0.09	B			0.09	B			
	0.07	U	U		0.07	U	U		0.07	U	U		
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG)	190.00	B			64.80	B	J	*10	52.00	B	J	*10	
	3.80				2.30				2.20				
	1.50	B			0.75	B			0.70	B			
	2.60	B			1.50	B			1.50	B			
	3560.00				2610.00				2330.00				
	1.70				1.40				1.20				
	578.00	B			293.00	B			248.00	B			
	42.30				18.50				16.90				
	2.40	B			1.10	B			0.89	B			
	237.00	B			154.00	B			160.00	B			
IM40 (MG/KG) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM	0.55	U	U	*10	0.57	U	J	*10	0.57	B	J	*10	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S01DHA	S01DJA	S01DKA	S01DLA
OGDEN ID	S01DHA	S01DJA	S01DKA	S01DLA
Date Sampled	8/21/97	8/21/97	8/21/97	8/22/97
Depth	60 00	70 00	90 00	100 00
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	ANALYTICAL RESULT	LAB REV QUAL
IM40 (MG/KG) Continued				
SILVER	0.46 U	U	0.48 U	U
SODIUM	59.20 U	U	61.40 U	U
THALLIUM	0.71 U	U	0.73 U	U
VANADIUM	4.30 B		3.60 B	
ZINC	7.40		5.00	
IM40HG (MG/KG)				
MERCURY	0.06 B	J B	0.05 U	UJ B

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S01DMA	S01DNA	S02DAA	S02DAD	S03DAA										
OGDEN ID	S01DMA	S01DNA	S02DAA	S02DAD	S03DAA										
Date Sampled	8/22/97	8/22/97	8/21/97	8/21/97	8/20/97										
Depth	110.00	120.00	0.00	0.00	0.00										
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.60 U	UJ	*2	2.70 U	UJ	*2	11.00	J	F	11.80	J	F	30.30	J	F
	0.02			0.06			0.02			0.04			1.50		
	29.00	J	*2	42.00	J	*2	116.00	J	Q,*2	114.00	J	Q,*2	636.00	J	Q,*2
353.2M (MG/KG) NITRATE/NITRITE (AS N)															
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP															
CYAN (MG/KG) CYANIDE	0.59 U	U		0.63 U	U		0.60 U	U		0.59 U	U		0.74 U	U	
IM40 (MG/KG) ALUMINUM	659.00			463.00			10200.00			10700.00			10700.00		
ANTIMONY	0.47 U	U		0.57 U	U		0.64 U	U		0.72 B	J	*10	0.63 U	U	
ARSENIC	0.79 B	J	*10	0.73 U	U		3.90			3.70			2.30		
BARIUM	2.20 B			2.10 B			19.50 B			19.30 B			145.00		
BERYLLIUM	0.08 B			0.07 B	J	*10	0.18 B	J	B	0.21 B	J	B	0.04 U	U	
CADMIUM	0.07 U	U		0.08 U	U		0.09 U	UJ	B	0.09 U	UJ	B	0.09 U	U	
CALCIUM	49.90 B			29.50 U	U		138.00 B			119.00 B			447.00 B		
CHROMIUM, TOTAL	1.20 B			1.30 B			12.90			12.40			11.50		
COBALT	0.56 B			0.48 B	J	*10	3.50 B			3.40 B			4.30 B		
COPPER	0.77 B			0.80 B			32.40			30.20			24.30		
IRON	1920.00			1250.00			20100.00	J	E	14000.00	J	E	18900.00	J	E
LEAD	1.40			0.65			11.80	J	E	11.30	J	E	13.70	J	E
MAGNESIUM	199.00 B			99.40 B			1180.00			1260.00			691.00 B		
MANGANESE	12.90			9.60			100.00			87.60			3840.00		
NICKEL	0.50 B	J	*10	0.33 B	J	*10	7.60 B			7.00 B			7.80 B		
POTASSIUM	104.00 B			70.50 B	J	*10	425.00 B			416.00 B			762.00 B		
SELENIUM	0.52 U	U		0.63 U	U		1.00 B	J	*10	0.67 U	U		2.20		

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Validated MMR Data for SDGs 1-17, 28-30

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S01DMA	S01DNA	S01DAA	S02DAD	S03DAA
OGDEN ID	S01DMA	S01DNA	S01DAA	S02DAD	S03DAA
Date Sampled	8/22/97	8/22/97	8/21/97	8/21/97	8/20/97
Depth	110.00	120.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (MG/KG) Continued					
SILVER	0.43 U	U	UJ B	0.56 U	UJ B
SODIUM	56.20 U	U	U	72.50 U	U
THALLIUM	0.67 U	U	UJ B	0.86 U	UJ B
VANADIUM	3.30 B			21.30	
ZINC	3.80	2.50 B	UJ B	173.00	
IM40HG (MG/KG)					
MERCURY	0.05 U	UJ B	UJ B,Q	0.06 U	UJ Q

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA				
OGDEN ID	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA				
Date Sampled	8/20/97	8/13/97	8/13/97	8/14/97	8/14/97				
Depth	0.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
350.2M (MG/KG)									
NITROGEN, AMMONIA (AS N)	47.00								
353.2M (MG/KG)									
NITRATE/NITRITE (AS N)	2.60								
365.2 (MG/KG)									
PHOSPHORUS, TOTAL ORTHOP	694.00	J Q,*2	J *2	117.00	112.00	J *2	48.00	73.00	J *2,Q
CYAN (MG/KG)									
CYANIDE	1.10		U	0.60	0.60	U	0.52	0.53	U
IM40 (MG/KG)									
ALUMINUM	11500.00			12100.00	12700.00		908.00	872.00	
ANTIMONY	0.79	U	U	0.55	0.45	U	0.43	0.46	U
ARSENIC	2.30	B		2.40	2.90		0.55	0.59	U
BARIUM	162.00			8.90	10.00	B	4.60	4.10	B
BERYLLIUM	0.06	U	U	0.26	0.28	B	0.07	0.09	B
CADMIUM	0.11	U	U	0.08	0.06	U	0.06	0.07	U
CALCIUM	857.00	B		59.50	67.80	B	85.80	211.00	B
CHROMIUM, TOTAL	12.40			10.60	11.70		2.20	2.50	
COBALT	4.50	B		1.70	1.90	B	0.86	1.10	B
COPPER	27.50			1.30	1.60	B	1.90	2.70	B
IRON	19600.00		J E	10500.00	11800.00		2580.00	3210.00	
LEAD	15.70		J E	6.30	6.50		1.40	2.10	
MAGNESIUM	792.00	B		510.00	612.00	B	445.00	427.00	B
MANGANESE	3940.00			22.80	26.80		29.30	52.90	
NICKEL	8.20	B		4.40	4.80	B	1.40	2.50	B
POTASSIUM	983.00	B		299.00	362.00	B	276.00	244.00	B
SELENIUM	2.40		J *10	0.81	1.10		0.47	0.68	B J *2,*10

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T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA		
OGDEN ID	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA		
Date Sampled	8/20/97	8/13/97	8/13/97	8/14/97	8/14/97		
Depth	0.00	0.00	0.00	10.00	20.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (MG/KG) Continued							
SILVER	0.74 U	U	U	0.42 U	U	U	
SODIUM	95.00 U	U	U	53.80 U	U	UJ B	B
THALLIUM	1.10 U	U	U	0.64 U	U	UJ B	B
VANADIUM	23.00	16.10	18.30	18.30	3.80 B	4.30 B	
ZINC	58.30	9.90	10.50	10.50	7.00	8.70	
IM40HG (MG/KG)							
MERCURY	0.08 B J Q	0.18	0.12	0.05 U	U	0.05 U	U

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EPA NO	S04DEA	S04DFA	S04DGA	S04DHA	S04DIA			
OGDEN ID	S04DEA	S04DFA	S04DGA	S04DHA	S04DIA			
Date Sampled	8/14/97	8/14/97	8/14/97	8/14/97	8/15/97			
Depth	30.00	40.00	50.00	60.00	70.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)								
NITROGEN, AMMONIA (AS N)	2.40 U	U				2.50 U	U	
353.2M (MG/KG)								
NITRATE/NITRITE (AS N)	0.04					0.02		
365.2 (MG/KG)								
PHOSPHORUS, TOTAL ORTHOP	77.00	J				61.00	J	*2,Q
CYAN (MG/KG)								
CYANIDE	0.52 U	U				0.53 U	U	
IM40 (MG/KG)								
ALUMINUM	1710.00					1660.00		
ANTIMONY	0.48 U	U				0.48 U	U	
ARSENIC	0.77 B	J		*10		1.10 B	J	*10
BARIUM	6.60 B					8.30 B		
BERYLLIUM	0.09 B					0.13 B		
CADMIUM	0.07 U	U				0.07 U	U	
CALCIUM	376.00 B			*10		152.00 B		
CHROMIUM, TOTAL	31.00					10.30		
COBALT	2.40 B					1.50 B		
COPPER	4.70					3.50 B		
IRON	7790.00					4850.00		
LEAD	2.50					2.70		
MAGNESIUM	966.00					583.00 B		
MANGANESE	117.00					51.30		
NICKEL	4.70 B					2.60 B		
POTASSIUM	425.00 B			*10		393.00 B	J	*10
SELENIUM	0.56 B	J	*2,*10			0.54 U	U	

Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S04DEA	S04DFA	S04DGA	S04DHA	S04DIA							
OGDEN ID	S04DEA	S04DFA	S04DGA	S04DHA	S04DIA							
Date Sampled	8/14/97	8/14/97	8/14/97	8/14/97	8/15/97							
Depth	30.00	40.00	50.00	60.00	70.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued												
SILVER	0.44 U	U	0.39 U	U	0.45 U	U	0.41 U	U	0.42 U	U		
SODIUM	57.40 U	UJ B	50.90 U	UJ B	58.00 U	UJ B	52.80 U	UJ B	53.80 U	UJ B		
THALLIUM	0.68 U	UJ B	0.61 U	UJ B	0.69 U	UJ B	0.63 U	UJ B	0.64 U	UJ B		
VANADIUM	5.40 B		4.10 B		5.40 B		4.20 B		3.30 B			
ZINC	12.10		4.10		11.50		7.30		5.00			
IM40HG (MG/KG)												
MERCURY	0.05 U	U	0.15	J B	0.06 B	J B	0.06 B	J B	0.05 U	U		

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Validated MMR Data for SDGs 1-17, 28-30

Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S04DJA	S04DKA	S04DLA	S04DMA	S04DNA			
OGDEN ID	S04DJA	S04DKA	S04DLA	S04DMA	S04DNA			
Date Sampled	8/15/97	8/15/97	8/15/97	8/15/97	8/15/97			
Depth	80.00	90.00	100.00	110.00	120.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE
350.2M (MG/KG)	2.60	J	F		2.50 U	U		2.50 U
353.2M (MG/KG)	0.05				0.08			0.05
365.2 (MG/KG)	43.00	J	*2,Q		34.00	J	*2,Q	56.00
PHOSPHORUS, TOTAL ORTHOP								
CYAN (MG/KG)								
CYANIDE	0.56 U	U			0.53 U	U		0.52 U
IM40 (MG/KG)								
ALUMINUM	638.00				686.00			810.00
ANTIMONY	0.44 U	U			0.41 U	U		0.42 U
ARSENIC	0.56 U	U			0.69 B	J	*10	0.67 B
BARIUM	2.40 B				3.20 B			2.50 B
BERYLLIUM	0.07 B				0.09 B			0.08 B
CADMIUM	0.06 U	U			0.07 U	U		0.06 U
CALCIUM	34.00 B	J	*10		59.20 B	J	*10	83.30 B
CHROMIUM, TOTAL	1.40 B				1.70			3.10
COBALT	0.57 B				0.70 B	J	*10	0.46 B
COPPER	1.50 B				1.30 B			1.30 B
IRON	1730.00				2160.00			3020.00
LEAD	1.20				1.10			1.40
MAGNESIUM	166.00 B				148.00 B			224.00 B
MANGANESE	16.50				18.30			14.50
NICKEL	0.94 B				0.76 B			1.30 B
POTASSIUM	105.00 B				160.00 B			177.00 B
SELENIUM	0.48 U	U			0.52 B	J	*2,*10	0.62 B
								*2,*10

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T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S04DJA	S04DKA	S04DLA	S04DMA	S04DNA				
OGDEN ID	S04DJA	S04DKA	S04DLA	S04DMA	S04DNA				
Date Sampled	8/15/97	8/15/97	8/15/97	8/15/97	8/15/97				
Depth	80.00	90.00	100.00	110.00	120.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued									
	SILVER	0.40 U	U	U	0.38 U	U	0.43 U	U	U
	SODIUM	52.30 U	UJ B	UJ B	49.60 U	UJ B	55.60 U	UJ B	UJ B
	THALLIUM	0.62 U	UJ B	UJ B	0.59 U	UJ B	0.66 U	UJ B	UJ B
	VANADIUM	2.40 B			3.50 B		3.30 B		
ZINC	4.10			4.80		4.50			
IM40HG (MG/KG)									
	MERCURY	0.05 U	UJ B	U	0.05 U	U	0.05 U	U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S04DOA	S04DPA				S05DAA				S05DAD				S06DAA			
OGDEN ID	S04DOA	S04DPA				S05DAA				S05DAD				S06DAA			
Date Sampled	8/15/97	8/18/97				8/20/97				8/20/97				8/20/97			
Depth	130.00	140.00				0.00				0.00				0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
350.2M (MG/KG)																	
NITROGEN, AMMONIA (AS N)	2.50 U	U			2.70 U	U			11.60	J	F,*2		15.70	J	F,*2		
353.2M (MG/KG)																	
NITRATE/NITRITE (AS N)	0.04				0.08				0.32				0.13				
365.2 (MG/KG)																	
PHOSPHORUS, TOTAL ORTHOP	50.00	J	*2,Q		55.00	J	Q,*2		46.00	J	Q,*2		74.00	J	Q,*2		
CYAN (MG/KG)																	
CYANIDE	0.53 U	U			0.58 U	U			0.59 U	U			0.70 U	U			
IM40 (MG/KG)																	
ALUMINUM	888.00				700.00				4640.00				3630.00				
ANTIMONY	0.44 U	U			0.56 U	U			0.51 U	U			0.58 U	U			
ARSENIC	0.84 B	J	*10		1.60 B	B			2.30				1.60 B				
BARIUM	3.30 B				2.80 B	B			7.30 B	B			6.20 B	B			
BERYLLIUM	0.11 B	B		*10	0.07 B	B	J	*10	0.04 B	B	J	B,*10	0.04 U	UJ	B		
CADMIUM	0.06 U	U			0.08 U	U	U		0.07 U	UJ	B		0.08 U	UJ	B		
CALCIUM	61.50 B	B		*10	45.80 B	B	J	*10	128.00 B	B			61.90 B	B			
CHROMIUM, TOTAL	2.70			B	1.70 B	B	J	B	4.70				3.10				
COBALT	0.62 B	B		B,*10	0.34 B	B	J	B,*10	0.71 B	B	J	B	0.47 B	B	J	B,*10	
COPPER	1.20 B	B		B	1.00 B	B	J	B	1.50 B	B	J	B	0.77 B	B	J	B	
IRON	2780.00			E	3020.00		J	E	8940.00		J	E	6940.00		J	E	
LEAD	1.10			E	1.30		J	E	8.70		J	E	5.50		J	E	
MAGNESIUM	220.00 B	B			175.00 B	B			237.00 B	B			151.00 B	B			
MANGANESE	20.40				15.30				22.00				18.70				
NICKEL	1.10 B	B		B	0.66 B	B	J	B	1.40 B	B	J	B	0.81 B	B	J	B	
POTASSIUM	177.00 B	B		*10	118.00 B	B	J	*10	274.00 B	B	J	*10	188.00 B	B			
SELENIUM	0.70 B	B	J	*2,*10	0.62 U	U	U		0.60 B	B	J	*10	0.64 U	U	U		

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S04IXA	S04IDPA	S05DAA	S05DAD	S06DAA							
OGDEN ID	S04IXA	S04IDPA	S05DAA	S05DAD	S06DAA							
Date Sampled	8/15/97	8/18/97	8/20/97	8/20/97	8/20/97							
Depth	130.00	140.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
IM40 (MG/KG) Continued												
SILVER	0.41 U	U	UJ B	0.52 U	UJ B	UJ B	0.54 U	UJ B	UJ B	0.50 U	UJ B	UJ B
SODIUM	52.60 U	UJ B	U	67.20 U	U	U	69.50 U	U	U	64.70 U	U	U
THALLIUM	0.63 U	UJ B	U	0.80 U	U	UJ B	0.83 U	UJ B	UJ B	0.77 U	UJ B	UJ B
VANADIUM	4.00 B	4.00 B		4.50 B	4.50 B		14.90			26.80		
ZINC	4.70			3.40 B	6.40		4.70			16.20		
IM40HG (MG/KG)												
MERCURY	0.05 U	U	UJ B,Q	0.06 U	UJ B,Q	UJ Q	0.06 U	UJ Q	UJ Q	0.06 U	UJ Q	UJ Q

T:\MMR\VSNA\9\FB\GROUPB.DB (5581 records) 02/09/98 17:41.3 read by RGSCHOTTLE

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S06DAD	S07DAA	S07DAD	S07DCA	S07DDA				
OGDEN ID	S06DAD	S07DAA	S07DAD	S07DCA	S07DDA				
Date Sampled	8/20/97	7/29/97	7/29/97	7/29/97	7/29/97				
Depth	0.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	24.50						2.50	U	Q
	1.10						0.04		
353.2M (MG/KG) NITRATE/NITRITE (AS N)									
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	145.00	J	Q,*2				94.80	J	Q,*2
CYAN (MG/KG) CYANIDE	0.68 U						0.58	U	U
IM40 (MG/KG) ALUMINUM	15400.00						1500.00	J	E
ANTIMONY	0.70 U	U					0.58	U	U
ARSENIC	4.80						3.70		J
BARIUM	14.40 B						6.50 B		B
BERYLLIUM	0.24 B	J	B				0.17 B		B
CADMIUM	0.10 U	UJ	B				0.08	U	U
CALCIUM	151.00 B						160.00 B		B
CHROMIUM, TOTAL	15.70						2.60	J	E
COBALT	3.30 B						1.30 B		B
COPPER	3.50 B	J	B				3.30 B		B
IRON	15600.00	J	E				4090.00	J	E
LEAD	12.90	J	E				2.50		
MAGNESIUM	1210.00 B						464.00 B		B
MANGANESE	52.80						66.00		
NICKEL	6.10 B						1.70 B		B
POTASSIUM	436.00 B						342.00 B		B
SELENIUM	0.97 B	J	*10				0.64	U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S07DEA	S07DFA	S07DGA	S07DHA	S07DIA							
OGDEN ID	S07DEA	S07DFA	S07DGA	S07DHA	S07DIA							
Date Sampled	7/29/97	7/30/97	7/30/97	7/30/97	7/30/97							
Depth	30.00	40.00	50.00	60.00	70.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N) 353.2M (MG/KG) NITRATE/NITRITE (AS N) 365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG) CYANIDE IM40 (MG/KG) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM	2.40	U	UJ	Q	2.50	U	U	2.50	U	2.40	U	U
	0.04				0.04			0.02		0.06		
	113.00	J	Q,*2		103.00	J	*2	104.00	J	48.70	J	*2
	0.54	U	UJ	H	0.56	U	U	0.53	U	0.59	U	U
	2120.00	J	E		3240.00	U	U	1980.00	U	916.00	U	U
	1.40	B	U		2.40	B	J	0.89	B	0.62	B	J
	8.90	B			13.20	B		8.50	B	3.60	B	
	0.17	B			0.24	B		0.11	B	0.11	B	
	0.08	U	U		0.07	U	U	0.06	U	0.08	U	U
	520.00	B			657.00	B		342.00	B	150.00	B	
	13.00	J	E		16.10			4.20	J	3.10	J	*2
	2.20	B			3.70	B		1.80	B	0.67	B	
	8.00				16.80			3.30	B	1.70	B	
	7090.00	J	E		8480.00			4580.00		2050.00		
	5.30				5.10			3.00		2.60		
1120.00				1670.00			975.00	B	233.00	B		
99.90				132.00			111.00		19.30			
4.80	B			5.90	B		2.50	B	1.00	B		
412.00	B			1210.00			579.00	B	132.00	B		
0.60	U	U		0.55	U	U	0.43	U	0.59	U	U	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S07DE:A	S07DE:A	S07DE:A	S07DGA	S07DHA	S07DIA
OGDEN ID	S07DE:A	S07DE:A	S07DE:A	S07DGA	S07DHA	S07DIA
Date Sampled	7/29/97	7/30/97	7/30/97	7/30/97	7/30/97	7/30/97
Depth	30 00	40 00	50 00	60 00	70 00	
Method Analytic	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued						
SILVER	0.51 U	U	U	0.36 U	0.43 U	0.50 U
SODIUM	65.30 U	U	U	46.30 U	55.30 U	64.00 U
THALLIUM	0.78 U	U	U	0.55 U	0.66 U	0.76 U
VANADIUM	7.30 B	B	B	5.30 B	4.00 B	2.80 B
ZINC	14.20	J	E	17.40	7.80	4.20
IM40HG (MG/KG)						
MERCURY	0.05 U	U	U	0.05 U	0.05 U	0.05 U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S07DJA	S07DKA	S07DLA	S08DAA	S08DAD					
OGDEN ID	S07DJA	S07DKA	S07DLA	S08DAA	S08DAD					
Date Sampled	7/30/97	7/30/97	7/30/97	8/21/97	8/21/97					
Depth	80.00	90.00	100.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
350.2M (MG/KG) NITROGEN, AMMONIA (AS N) 353.2M (MG/KG) NITRATE/NITRITE (AS N) 365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG) CYANIDE IM40 (MG/KG) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM	2.50 U	U	U	2.50 U	U	U	38.70	28.80		
	0.02			0.07			0.21	0.14		
	67.00	J	*2	33.80	J	*2	105.00	96.00	J	*2
	0.58 U	U	U	0.58 U	U	U	0.68 U	0.74 U	U	U
	1500.00			667.00			751.00	6030.00		
	0.46 U	U	U	0.45 U	U	U	0.73 U	0.70 U	U	U
	0.95 B	J	*10	0.58 U	U	U	0.95 B	1.70 B	J	*10
	7.10 B			2.90 B			3.20 B	9.10 B		
	0.10 B		*10	0.06 B	J	*10	0.08 B	0.05 B	UJ	B
	0.07 U	U	U	0.06 U	U	U	0.10 U	0.10 U	UJ	B
	203.00 B			50.10 B			47.60 B	166.00 B		
	5.90		*2	2.20	J	*2	2.80	4.90	J	B, *10
	1.40 B			0.62 B			0.59 B	0.51 B	J	B, *10
	3.20 B			1.30 B			1.00 B	3.50 B	J	B
	3520.00			1480.00			2220.00	7610.00	J	E
	2.40			1.30			1.40	17.70	J	E
	687.00 B			181.00 B			189.00 B	188.00 B		
	36.50			14.50			16.30	10.90		
	3.10 B			1.10 B			1.10 B	1.10 B	J	B
	345.00 B			121.00 B			137.00 B	307.00 B		
	0.51 U	U	U	0.50 U	U	U	0.81 U	0.95 B	J	*10

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA
OGDEN ID	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA
Date Sampled	8/21/97	8/21/97	8/8/97	8/8/97	8/8/97
Depth	0.00	0.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	ANALYTICAL RESULT
350.2M (MG/KG)					
NITROGEN, AMMONIA (AS N)	5.10	J F,*2	J F,*2	5.30	J *2
353.2M (MG/KG)					
NITRATE/NITRITE (AS N)	0.12			0.22	
365.2 (MG/KG)					
PHOSPHORUS, TOTAL ORTHOP	82.00	J *2	J E,Q,*2	104.00	J E,Q,*2
CYAN (MG/KG)					
CYANIDE	0.59 U	U	U	0.59 U	U
IM40 (MG/KG)					
ALUMINUM	5240.00			6460.00	
ANTIMONY	0.49 U	U	U	0.52 U	U
ARSENIC	1.70 B			2.40	
BARIUM	3.30 B			9.30 B	
BERYLLIUM	0.10 B			0.20 B	
CADMIUM	0.07 U	U	U	0.07 U	U
CALCIUM	82.60 B	J *10	J E	105.00 B	J *2,E
CHROMIUM, TOTAL	2.80			8.10	
COBALT	0.59 B			2.60 B	
COPPER	1.10 B			3.20 B	
IRON	5260.00			8210.00	
LEAD	2.80			5.70	
MAGNESIUM	171.00 B			879.00 B	
MANGANESE	14.90			67.50	
NICKEL	1.40 B			19.30	
POTASSIUM	61.20 B	J *10	J Q,E	333.00 B	J Q,E
SELENIUM	0.62 B	J *10	J *10	0.58 U	J *10

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T:\MMR\VSNAPO9FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA	
OGDEN ID	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA	
Date Sampled	8/21/97	8/21/97	8/8/97	8/8/97	8/8/97	
Depth	0.00	0.00	0.00	0.00	10.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued						
SILVER	0.45 U	U	U	0.48 U	U	U
SODIUM	58.70 U	U	U	62.60 U	U	U
THALLIUM	0.70 U	U	U	0.75 U	U	U
VANADIUM	8.80			13.50		
ZINC	6.00			13.90		
IM40HG (MG/KG)						
MERCURY	0.05 U	UJ B	UJ B	0.05 U	UJ Q	UJ Q
				0.06 B	J	Q
				0.50 U		U
				64.40 U		U
				0.77 U		U
				16.60		
				13.80		
					J	E,A
						J
						E,A

T:\MMR\VSNA\9FB\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41:3 read by RGSCROTTLER

T:\MMR\VSNA\9FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SI1DDA	SI1DEA	SI1DFA	SI1DGA	SI1DHA							
OGDEN ID	SI1DDA	SI1DEA	SI1DFA	SI1DGA	SI1DHA							
Date Sampled	8/8/97	8/11/97	8/11/97	8/11/97	8/11/97							
Depth	20.00	30.00	40.00	50.00	60.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	2.50 U	UJ	*2									
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.05											
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	88.00	J	E,Q,*2									
CYAN (MG/KG)												
CYANIDE	0.54 U	U										
IM40 (MG/KG)												
ALUMINUM	962.00	U										
ANTIMONY	0.44 U	U										
ARSENIC	0.60 B	J	*10									
BARIUM	4.00 B	B										
BERYLLIUM	0.05 B	J	*10									
CADMIUM	0.06 U	U										
CALCIUM	121.00 B	B										
CHROMIUM, TOTAL	2.40	J	*2,E									
COBALT	1.10 B	B										
COPPER	1.80 B	B										
IRON	2740.00											
LEAD	1.30											
MAGNESIUM	537.00 B	B										
MANGANESE	102.00	J	Q,E									
NICKEL	2.80 B	B										
POTASSIUM	82.00 B	J	*10									
SELENIUM	0.49 U	U										

T:\MMR\VSNA\9\FB\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41.3 read by RGSCHOTTLE

T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SI1DDA	SI1DEA	SI1DGA	SI1DHA					
OGDEN ID	SI1DDA	SI1DEA	SI1DGA	SI1DHA					
Date Sampled	8/8/97	8/11/97	8/11/97	8/11/97					
Depth	20 00	30 00	40 00	50 00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued									
SILVER	0.41 U	U	0.43 U	U	0.41 U	U	0.44 U	U	0.37 U
SODIUM	52.60 U	U	55.00 U	U	52.90 U	U	56.50 U	U	47.50 U
THALLIUM	0.63 U	U	0.66 U	U	0.63 U	U	0.67 U	U	0.57 U
VANADIUM	3.20 B	J	9.40	B	6.90 B	B	3.50 B	B	2.20 B
ZINC	6.40	E A	18.30	E A	23.80	E A	6.60	E A	3.70
IM40HG (MG/KG)									
MERCURY	0.05 U	U	0.14	Q	0.05 U	U	0.05 U	U	0.05 U

T:\MMR\VSNA\9\FB\GROUP\B.DB (5581 records) 02/09/98 17:41:3 read by RGSCHOTTLE

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SI1DIA	SI1DJA	SI1DKA	SI1DLA	SI1DMA										
OGDEN ID	SI1DIA	SI1DJA	SI1DKA	SI1DLA	SI1DMA										
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97										
Depth	70.00	80.00	90.00	100.00	110.00										
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
350.2M (MG/KG)															
NITROGEN, AMMONIA (AS N)	2.50 U	U		2.50 U	U		2.60			2.70 U	U		2.50 U	UJ	*2
353.2M (MG/KG)															
NITRATE/NITRITE (AS N)	0.02			0.03			0.03			0.03			0.04		
365.2 (MG/KG)															
PHOSPHORUS, TOTAL ORTHOP	36.00	J	*2	42.00	J	*2	23.00			43.00	J	*2	36.00	J	*2
CYAN (MG/KG)															
CYANIDE	0.55 U	U		0.56 U	U		0.56 U	U		0.55 U	U		0.56 U	U	
IM40 (MG/KG)															
ALUMINUM	769.00	U		736.00	U		625.00			444.00	U		807.00		
ANTIMONY	0.46 U	U		0.46 U	U		0.44 U	U		0.41 U	U		0.50 U	U	
ARSENIC	0.59 U	U		0.87 B	J	*10	0.63 B	J	*10	0.53 U	U		0.76 B	J	*10
BARIUM	2.50 B	B		2.60 B	B		3.30 B	B		1.70 B	B		2.70 B	B	
BERYLLIUM	0.06 B	B	*10	0.07 B	B		0.08 B	B		0.05 B	B	J	0.09 B	B	
CADMIUM	0.07 U	U		0.07 U	U		0.06 U	U		0.06 U	U	U	0.07 U	U	
CALCIUM	81.10 B	B		142.00 B	B		44.90 B	B	*10	37.50 B	B	J	56.40 B	B	
CHROMIUM, TOTAL	2.00	J	*2	1.70	J	*2	2.40	J	*2	1.20 B	B	J	1.70 B	B	*2
COBALT	0.65 B	B		0.65 B	B		0.40 B	B	J	0.34 B	B	J	0.42 B	B	*10
COPPER	1.50 B	B		1.30 B	B		0.97 B	B		0.72 B	B		0.83 B	B	
IRON	2010.00			2040.00			2060.00			1270.00			2270.00		
LEAD	0.82			1.20			0.86			0.45			0.79		
MAGNESIUM	310.00 B	B		204.00 B	B		145.00 B	B		121.00 B	B		171.00 B	B	
MANGANESE	19.10			16.20			12.40			9.60			11.70		
NICKEL	1.30 B	B		0.99 B	B		0.92 B	B		0.62 B	B		0.89 B	B	
POTASSIUM	124.00 B	B		158.00 B	B		131.00 B	B		79.40 B	B	J	151.00 B	B	
SELENIUM	0.51 U	U		0.51 U	U		0.49 U	U	U	0.45 U	U	U	0.55 U	U	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SI1DNA	SI1DOA	SI2DAA	SI2DCA	SI2DDA			
OGDEN ID	SI1DNA	SI1DOA	SI2DAA	SI2DCA	SI2DDA			
Date Sampled	8/11/97	8/11/97	8/5/97	8/6/97	8/6/97			
Depth	120.00	130.00	0.00	10.00	20.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N) 353.2M (MG/KG) NITRATE/NITRITE (AS N) 365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG) CYANIDE IM40 (MG/KG) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM								
	2.60 U	UJ	UJ	*2	17.10	2.50 U	UJ	*2
	0.06				0.26	0.02		
	23.00	J	J	*2	23.00	122.00	J	Q,E,*2
	0.57 U	U	U		0.63 U	0.51 U	U	
	594.00				8980.00	1870.00		
	0.47 U	U	UJ	B	0.62 U	0.47 U	U	
	2.20	U	J	*10	1.90 B	0.69 B	J	*10
	2.30 B	B	B		7.40 B	9.80 B	B	
	0.08 B	B	UJ	B	0.16 B	0.14 B	B	
0.07 U	U	U		0.09 U	0.07 U	U		
34.80 B	B	J	*10	40.70 B	167.00 B	J	*10	
2.00	J	J	*2	8.20	7.40	J	E	
0.46 B	B	J	*10	1.50 B	1.80 B	B		
0.82 B	B	B		1.80 B	3.60 B	B		
2680.00				6850.00	4050.00			
1.00				5.90	2.80			
118.00 B	B	B		583.00 B	711.00 B	B		
11.10				25.00	122.00	J	Q,E	
0.81 B	B	B		3.70 B	3.20 B	B		
150.00 B	B	B		154.00 B	403.00 B	B		
0.52 U	U	UJ	B,*2	0.69 U	0.52 U	U		

T:\MMR\VSNA\POFB\GROUPB.DB (5581 of 5581 records) 02/09/98 17:41.3 read by RGSCOTTLE

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	SI1DNA	SI1DOA	SI2DAA	SI2DDA		
OGDEN ID	SI1DNA	SI1DOA	SI2DAA	SI2DDA		
Date Sampled	8/11/97	8/11/97	8/5/97	8/6/97		
Depth	120.00	130.00	10.00	20.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
IM40 (MG/KG) Continued						
SILVER	0.43 U	U	U	0.44 U	U	U
SODIUM	56.20 U	U	U	56.50 U	U	U
THALLIUM	0.67 U	U	U	0.67 U	U	U
VANADIUM	4.50 B			4.20 B		
ZINC	4.60			20.80		
IM40HG (MG/KG)						
MERCURY	0.05 U	U	U	0.05 B	UJ	UJ
				0.05 U	B,Q	Q

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S12DEA	S12DFA	S12DGA	S12DHA	S12DIA			
OGDEN ID	S12DEA	S12DFA	S12DGA	S12DHA	S12DIA			
Date Sampled	8/6/97	8/6/97	8/6/97	8/6/97	8/6/97			
Depth	30.00	40.00	50.00	60.00	70.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.50 U	UJ	*2		2.50 U	UJ	*2	
	0.03				0.01			
	88.00	J	E,Q,*2		45.00	J	E,Q,*2	
353.2M (MG/KG) NITRATE/NITRITE (AS N)	0.03				0.03			
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	88.00	J	E,Q,*2		45.00	J	E,Q,*2	
CYAN (MG/KG) CYANIDE	0.53 U	U			0.53 U	U		
IM40 (MG/KG) ALUMINUM	1920.00				711.00			
ANTIMONY	0.53 U	U			0.50 U	U		
ARSENIC	1.00 B	J	*10		0.65 U	U		
BARIUM	5.00 B				2.50 B			
BERYLLIUM	0.13 B				0.07 B			
CADMIUM	0.07 U	U			0.07 U	U		
CALCIUM	289.00 B				106.00 B			
CHROMIUM, TOTAL	6.50	J	E		2.10	UJ	B,*2	
COBALT	1.90 B				0.73 B			
COPPER	9.10				1.60 B			
IRON	4620.00				1740.00			
LEAD	2.60				1.70			
MAGNESIUM	958.00				288.00 B			
MANGANESE	79.60	J	Q,E		45.20	J	Q,E	
NICKEL	6.00 B				1.30 B			
POTASSIUM	220.00 B				94.20 B	J	*10	
SELENIUM	0.58 U	U			0.56 U	U		

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S12DFA	S12DFA	S12DGA	S12DHA	S12DIA				
OGDEN ID	S12DFA	S12DFA	S12DGA	S12DHA	S12DIA				
Date Sampled	8/6/97	8/6/97	8/6/97	8/6/97	8/6/97				
Depth	30 00	40 00	50 00	60 00	70 00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
IM40 (MG/KG) Continued									
SILVER	0.49 U	U		0.47 U	U		0.53 U	U	
SODIUM	63.00 U	U		60.50 U	U		68.50 U	U	
THALLIUM	0.75 U	U		0.72 U	U		0.82 U	U	
VANADIUM	6.80 B			2.60 B			2.00 B		
ZINC	21.20	J	E,A	4.40	J	E,A	2.40 B	J	E,A
IM40HG (MG/KG)									
MERCURY	0.05 U	UJ	Q	0.06 B	J	Q,*10	0.05 U	UJ	Q

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EPA NO	S12DJA	S12DKA	S12DLA	S13DDA	S13DEA			
OGDEN ID	S12DJA	S12DKA	S12DLA	S13DDA	S13DEA			
Date Sampled	8/6/97	8/6/97	8/6/97	10/21/97	10/21/97			
Depth	80.00	90.00	100.00	20.00	30.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.50 U	UJ	*2			2.80 U	UJ	*2
	0.06					0.03		
	35.00	J	E,Q,*2			29.00	J	E,Q,*2
PHOSPHORUS, TOTAL ORTHOP								
CYAN (MG/KG)								
CYANIDE	0.52 U	U				0.56 U	U	Q
IM40 (MG/KG)								
ALUMINUM	551.00					471.00		
ANTIMONY	0.44 U	U				0.60 U	U	
ARSENIC	0.64 B	J	*10			0.77 U	U	
BARIUM	2.50 B					1.80 B		
BERYLLIUM	0.07 B					0.04 U	U	
CADMIUM	0.06 U	U				0.09 U	U	
CALCIUM	32.20 B	J	*10			39.30 B	J	*10
CHROMIUM, TOTAL	1.60	UJ	B,*2			1.70 B	UJ	B,*2
COBALT	0.51 B					0.51 B	J	*10
COPPER	0.94 B					0.55 B	J	B
IRON	1570.00					1050.00		
LEAD	1.20					0.91		
MAGNESIUM	162.00 B					161.00 B		
MANGANESE	12.70	J	Q,E			14.50	J	Q,E
NICKEL	0.77 B					0.75 B		
POTASSIUM	64.50 B	J	*10			65.60 U	U	
SELENIUM	0.48 U	U				0.67 U	U	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S12DJA	S12DKA	S12DLA	S13DDA	S13DEA
OGDEN ID	S12DJA	S12DKA	S12DLA	S13DDA	S13DEA
Date Sampled	8/6/97	8/6/97	8/6/97	10/21/97	10/21/97
Depth	80.00	90.00	100.00	20.00	30.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
IM40 (MG/KG) Continued					
SILVER	0.41 U	U	U	0.18 U	UJ B
SODIUM	52.50 U	U	U	68.60 U	U
THALLIUM	0.63 U	U	U	0.96 U	U
VANADIUM	2.60 B	B	B	4.20 B	B
ZINC	3.80	J	J	9.60	18.30
IM40HG (MG/KG)					
MERCURY	0.05 U	UJ Q	UJ Q	0.04 U	U

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EPA NO	S13DIA	S14DAA	S14DAD	S14DCA	S14DDA			
OGDEN ID	S13DIA	S14DAA	S14DAD	S14DCA	S14DDA			
Date Sampled	10/21/97	7/29/97	7/29/97	7/21/97	7/22/97			
Depth	70.00	0.00	0.00	10.00	20.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.90	J	*2			2.80 U	UJ	Q,*2
	0.11					0.01 U	U	
353.2M (MG/KG) NITRATE/NITRITE (AS N)								
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	101.00	J	*2			72.10	J	Q,*2
CYAN (MG/KG) CYANIDE	0.56 U	UJ	Q			0.63 U	U	
IM40 (MG/KG) ALUMINUM	2010.00					8330.00	J	E
ANTIMONY	0.57 U	U				0.53 U	U	
ARSENIC	2.10					4.80		
BARIUM	8.00 B					14.60 B		
BERYLLIUM	0.12 B					0.43 B		
CADMIUM	0.08 U	U				0.08 U	U	
CALCIUM	333.00 B					118.00 B		
CHROMIUM, TOTAL	7.80					11.80	J	E
COBALT	1.50 B					6.20 B		
COPPER	3.80 B					7.30		
IRON	4970.00	J	E			11500.00	J	E
LEAD	3.10					5.70		
MAGNESIUM	748.00 B					1900.00		
MANGANESE	46.10					121.00		
NICKEL	2.90 B					8.20		
POTASSIUM	481.00 B					819.00 B		
SELENIUM	0.78 U	UJ	B	*10		0.80 B	J	*10

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S14DEA	S14DFA	S14DGA	S14DIA	S14DIA							
OGDEN ID	S14DEA	S14DFA	S14DGA	S14DIA	S14DIA							
Date Sampled	7/22/97	7/22/97	7/22/97	7/22/97	7/22/97							
Depth	30.00	40.00	50.00	60.00	70.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/KG)												
NITROGEN, AMMONIA (AS N)	2.30	U	UJ	*2	2.30	U	UJ	*2	2.30	U	UJ	*2
353.2M (MG/KG)												
NITRATE/NITRITE (AS N)	0.04		J	*2	0.10		J	*2	0.06		J	*2
365.2 (MG/KG)												
PHOSPHORUS, TOTAL ORTHOP	86.60		J	Q,*2	359.00		J	Q,*2	33.90		J	Q,*2
CYAN (MG/KG)												
CYANIDE	0.56	U	U		0.60	U	U		0.57	U	U	
IM40 (MG/KG)												
ALUMINUM	1930.00		U		15700.00		U		1260.00		U	
ANTIMONY	1.10	U	U		0.92	U	U		1.00	U	U	
ARSENIC	1.10	B	J	*10	7.50		U		0.93	U	U	
BARIUM	11.40	B			39.40				4.20	B		
BERYLLIUM	0.06	B	J	*10	0.10	B			0.07	B	J	*10
CADMIUM	0.10	U	U		0.08	U	U		0.09	U	U	
CALCIUM	156.00	B			1790.00		J	*10	130.00	B		
CHROMIUM, TOTAL	5.80		J	*2	51.40		J	*2	7.00			
COBALT	2.00	B			9.90				1.20	B		
COPPER	3.10	B			40.20				3.60	B		
IRON	4990.00				21400.00				3560.00			
LEAD	3.00		J	E	20.70		J	E	1.50		J	E
MAGNESIUM	1140.00				6550.00				560.00	B		
MANGANESE	54.90				407.00				32.00			
NICKEL	4.00	B			51.90				3.40	B		
POTASSIUM	419.00	B			1910.00				283.00	B		
SELENIUM	0.98	U	U		0.83	U	U		0.93	U	U	

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Validated MMR Data for SDGs 1-17, 28-30

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S14DEA	S14DEA	S14DEA	S14DGA	S14DHA	S14DIA
OGDEN ID	S14DEA	S14DEA	S14DEA	S14DGA	S14DHA	S14DIA
Date Sampled	7/22/97	7/22/97	7/22/97	7/22/97	7/22/97	7/22/97
Depth	30 00	40 00	50 00	60 00	70 00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued						
SILVER	0.36 U	U		0.29 U	U	
SODIUM	107.00 U	U		87.90 U	U	
THALLIUM	1.40 U	U		1.20 U	U	
VANADIUM	9.20 B			5.30 B		
ZINC	10.40			5.10		
IM40HG (MG/KG)						
MERCURY	0.05 U	U		0.05 U	U	

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Validated MMR Data for SDGs 1-17, 28-30

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S14DJA	S14DKA				S15DAA				S15DAD				S15DCA			
OGDEN ID	S14DJA	S14DKA				S15DAA				S15DAD				S15DCA			
Date Sampled	7/23/97	7/23/97				8/21/97				8/21/97				8/28/97			
Depth	80.00	90.00				0.00				0.00				10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
350.2M (MG/KG) NITROGEN, AMMONIA (AS N) 353.2M (MG/KG) NITRATE/NITRITE (AS N) 365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG) CYANIDE IM40 (MG/KG) ALUMINUM	2.40	U	UJ	*2	2.30	U	UJ	*2	6.80		J	F,*2	5.30	2.50	U		
	0.05		J	*2	0.04		J	*2	0.03				0.03	0.04			
	55.90		J	Q,*2	79.90		J	Q,*2	66.00		J	*2	81.00	49.00	J	*2	
	0.56	U	U		0.55	U	U		0.60	U	U		0.60	0.61	U		
	770.00		U		1150.00		U		4590.00		U		5270.00	1140.00			
	1.00	U	U		0.87	U	U		0.45	U	U		0.54	0.44	U	B	
	0.93	U	U	*10	0.86	B	J	*10	1.30	B	J		2.00	0.56	U	B	
	3.80	B			5.00	B			5.30	B			5.50	3.20	B		
	0.06	B			0.10	B			0.10	B			0.11	0.08	B		
	0.09	U	U		0.08	U	U		0.07	U	U		0.08	0.06	U		
CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM	56.60	B	J	*2	119.00	B	J	*10	26.70	B	J	*10	42.40	37.60	B	*10	
	2.60		J		3.90		J	*2	3.70				4.60	3.40			
	0.51	U	U		0.75	B	J	*10	0.79	B			0.97	0.77	B		
	2.50	B			2.30	B			1.30	B			1.30	2.20	B		
	1570.00				3570.00				4940.00				6230.00	2250.00			
	1.30		J	E	2.00		J	E	4.00				4.30	1.40	J	*2	
	202.00	B			354.00	B			225.00	B			332.00	182.00	B		
	18.30				30.30				14.50				19.10	24.90			
	1.20	B			1.80	B			1.60	B			1.80	1.40	B		
	178.00	B			280.00	B			109.00	B			148.00	124.00	B		
0.93	U	U		0.79	U	U	*10	0.52	B	J		0.59	0.49	U	B,*2		

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S15DDA	S15DEA	S15DFA	S15DGA	S15DHA							
OGDEN ID	S15DDA	S15DEA	S15DFA	S15DGA	S15DHA							
Date Sampled	8/28/97	8/28/97	8/29/97	8/29/97	8/29/97							
Depth	20.00	30.00	40.00	50.00	60.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)												
353.2M (MG/KG) NITRATE/NITRITE (AS N)												
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP												
CYAN (MG/KG) CYANIDE	0.53 U	U										
IM40 (MG/KG) ALUMINUM	1740.00											
ANTIMONY	0.44 U	U										
ARSENIC	0.57 U	U										
BARIUM	7.60 B											
BERYLLIUM	0.09 B											
CADMIUM	0.06 U	U										
CALCIUM	383.00 B											
CHROMIUM, TOTAL	60.80											
COBALT	2.10 B											
COPPER	5.10											
IRON	10900.00											
LEAD	2.80											
MAGNESIUM	836.00											
MANGANESE	126.00											
NICKEL	4.70 B											
POTASSIUM	552.00 B											
SELENIUM	0.49 U	U										

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CVAN, IM40 and IM40HG

EPA NO	S15DDA	S15DEA	S15DEA	S15DGA	S15DHA
OGDEN ID	S15DDA	S15DEA	S15DEA	S15DGA	S15DHA
Date Sampled	8/28/97	8/28/97	8/29/97	8/29/97	8/29/97
Depth	20.00	30.00	40.00	50.00	60.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
IM40 (MG/KG) Continued					
SILVER	0.41 U	U	U	0.44 U	U
SODIUM	53.30 U	UJ B	UJ B	57.00 U	UJ B
THALLIUM	0.63 U	U	U	0.68 U	U
VANADIUM	4.40 B	B	B	2.50 B	B
ZINC	12.80			3.50	
IM40HG (MG/KG)					
MERCURY	0.04 B	U	U	0.04 U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S15DIA	S15DJA	S15DKA	S16DAA	S16DAD			
OGDEN ID	S15DIA	S15DJA	S15DKA	S16DAA	S16DAD			
Date Sampled	9/2/97	9/2/97	9/2/97	8/20/97	8/20/97			
Depth	70.00	80.00	90.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	3.80	UJ B,*2	UJ B,*2	UJ B,*2	4.20	J	F,*2	J F,*2
	0.02				0.02			
353.2M (MG/KG) NITRATE/NITRITE (AS N)								
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	64.00	J *	J *	J *	121.00	J	Q,*2	J Q,*2
CYAN (MG/KG) CYANIDE	0.51 U	U	U	U	0.54 U	U	U	U
IM40 (MG/KG) ALUMINUM	820.00				1550.00			
ANTIMONY	0.57 U	U	U	U	0.42 U	U	U	U
ARSENIC	1.10 B	J *	J *	J *	1.90			
BARIUM	2.60 B				6.00 B			
BERYLLIUM	0.07 B	J *	J *	J *	0.12 B			
CADMIUM	0.08 U	U	U	U	0.06 U	U	UJ B	UJ B
CALCIUM	52.90 B	J *	J *	J *	233.00 B			
CHROMIUM, TOTAL	2.50				6.50			
COBALT	0.66 B				1.30 B			
COPPER	3.00 B				1.90 B			
IRON	2430.00				4750.00			
LEAD	1.80				2.30			
MAGNESIUM	278.00 B				821.00			
MANGANESE	23.70				51.20			
NICKEL	1.10 B				2.60 B			
POTASSIUM	140.00 B				366.00 B			
SELENIUM	0.63 U	U	UJ B	UJ B	0.56 U	U	U	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S15DJA	S15DJA	S15DKA	S16DAA	S16DAD
OGDEN ID	S15DJA	S15DJA	S15DKA	S16DAA	S16DAD
Date Sampled	9/2/97	9/2/97	9/2/97	8/20/97	8/20/97
Depth	70.00	80.00	90.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
IM40 (MG/KG) Continued					
SILVER	0.52 U	U	0.39 U	0.47 U	UJ B
SODIUM	67.80 U	U	49.90 U	60.30 U	U
THALLIUM	0.81 U	U	0.59 U	0.72 U	UJ B
VANADIUM	3.70 B	J A	7.50	13.00	12.20
ZINC	4.60	J A	9.50	16.80	19.90
IM40HG (MG/KG)					
MERCURY	0.04 U	U	0.05 U	0.08 B	UJ Q

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FEPA NO	S19DAA	S19DAD	S19DCA	S19DDA	S19DEA			
OGDEN ID	S19DAA	S19DAD	S19DCA	S19DDA	S19DEA			
Date Sampled	8/21/97	8/21/97	10/23/97	10/23/97	10/23/97			
Depth	0.00	0.00	10.00	20.00	30.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG)								
NITROGEN, AMMONIA (AS N)	6.70	J	F,*2					
353.2M (MG/KG)								
NITRATE/NITRITE (AS N)	0.18							
365.2 (MG/KG)								
PHOSPHORUS, TOTAL ORTHOP	126.00	J	*2					
CYAN (MG/KG)								
CYANIDE	0.57	U	U					
IM40 (MG/KG)								
ALUMINUM	4670.00							
ANTIMONY	0.95	B	*10					
ARSENIC	2.30							
BARIUM	25.50	B						
BERYLLIUM	0.16	B						
CADMIUM	0.09	U	U					
CALCIUM	295.00	B						
CHROMIUM, TOTAL	6.50							
COBALT	2.20	B						
COPPER	51.60							
IRON	7420.00							
LEAD	51.00							
MAGNESIUM	773.00	B						
MANGANESE	110.00							
NICKEL	5.20	B						
POTASSIUM	385.00	B						
SELENIUM	0.67	U	U					

Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S19DAA	S19DAI	S19DCA	S19DDA	S19DEA
OGDEN ID	S19DAA	S19DAI	S19DCA	S19DDA	S19DEA
Date Sampled	8/21/97	8/21/97	10/23/97	10/23/97	10/23/97
Depth	0.00	0.00	10.00	20.00	30.00
Method Analyte	ANALYTICAL RESULT	REV QUAL CODE	LAB QUAL CODE	ANALYTICAL RESULT	REV QUAL CODE
IM40 (MG/KG) Continued					
SILVER	0.56 U	U	0.65 B	0.21 U	U
SODIUM	72.20 U	U	58.40 U	84.20 U	U
THALLIUM	0.86 U	U	0.70 U	1.20 U	U
VANADIUM	10.00 B		13.60	4.50 B	10.20 B
ZINC	49.30		72.40	7.40	11.10
IM40HG (MG/KG)					
MERCURY	0.49	J	0.62	0.06 B	UJ B

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S19DFA	S25DAA	S25DAD	S26DAA	S26DAD							
OGDEN ID	S19DFA	S25DAA	S25DAD	S26DAA	S26DAD							
Date Sampled	10/23/97	8/21/97	8/21/97	8/20/97	8/20/97							
Depth	40.00	0.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.40		J	*2	23.40		26.10		15.60			
	0.27				0.11		0.09		0.05			
	76.10		J	*2	171.00		139.00	J	*2	146.00	J	Q,*2
	0.62	U	U	U	1.00		0.87	U	0.64	U	0.59	U
	1410.00				10700.00		12000.00		8230.00		8150.00	
	0.71	B	UJ	U	0.93		0.69	U	0.60	U	0.55	U
	0.52	U	UJ	B	3.70		3.90		2.60		2.10	
	5.40	B			22.40	B	17.40	B	7.80	B	7.10	B
	0.11	B			0.20	B	0.21	B	0.14	B	0.13	B
	0.08	U	U	U	0.13	B	0.10	U	0.09	U	0.08	U
CYAN (MG/KG) CYANIDE	158.00	B			550.00	B	243.00	B	74.90	B	57.60	B
	2.30				11.30		11.60		7.00		6.80	
	1.10	B			2.30	B	2.10	B	1.00	B	0.91	B
	2.30	B			59.80		33.60		19.60		23.70	
IRON	3450.00				14000.00		14100.00		10500.00		10500.00	
	1.70				36.60		19.90		12.20		10.90	
	565.00	B			829.00	B	688.00	B	363.00	B	319.00	B
	59.10				95.30		58.40		23.60		21.00	
NICKEL	2.10	B			7.10	B	5.10	B	3.00	B	2.30	B
	254.00	B			458.00	B	443.00	B	295.00	B	265.00	B
POTASSIUM	0.83	U	U	U	1.90		1.80		0.77	B	0.61	U
SELENIUM												

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S19DFA	S25DAA	S25DAD	S26DAA	S26DAD				
OGDEN ID	S19DFA	S25DAA	S25DAD	S26DAA	S26DAD				
Date Sampled	10/23/97	8/21/97	8/21/97	8/20/97	8/20/97				
Depth	40.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued									
SILVER	0.23 U	U		1.90 B	0.82 B	J	*10	0.56 U	UJ B
SODIUM	89.10 U	U	U	111.00 U	83.20 U	U		71.80 U	U
THALLIUM	1.20 U	U	U	1.30 U	0.99 U	U		0.85 U	UJ B
VANADIUM	3.70 B			39.20	27.60			19.80	
ZINC	9.40			51.90	31.40			16.40	
IM40HG (MG/KG)									
MERCURY	0.06 B	UJ B	J B	0.19	0.08 U	UJ B		0.06 U	UJ Q

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S27DAA	S27DAD	S28DAA	S28DCA	S28DDA			
OGDEN ID	S27DAA	S27DAD	S28DAA	S28DCA	S28DDA			
Date Sampled	8/20/97	8/20/97	7/29/97	7/28/97	7/28/97			
Depth	0.00	0.00	0.00	10.00	20.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	11.10	J	F,*2		11.50	J	Q,E	
	0.07				0.06			
	119.00	J	Q,*2		79.80	J	Q,*2	
353.2M (MG/KG) NITRATE/NITRITE (AS N)								
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP								
CYAN (MG/KG) CYANIDE	0.61 U	U			0.62 U	U		
IM40 (MG/KG) ALUMINUM	9780.00				9320.00	J	E	
ANTIMONY	0.54 U	U			0.51 U	U		
ARSENIC	3.10				2.30			
BARIUM	6.80 B				6.00 B			
BERYLLIUM	0.12 B	J	B		0.13 B			
CADMIUM	0.08 U	UJ	B		0.07 U	U		
CALCIUM	59.80 B				286.00 B			
CHROMIUM, TOTAL	8.20				15.70	J	E	
COBALT	1.00 B	J	B		4.00 B			
COPPER	2.00 B	J	B		1.40 B			
IRON	8780.00	J	E		11100.00	J	E	
LEAD	6.90	J	E		7.60			
MAGNESIUM	388.00 B				2240.00			
MANGANESE	16.00				72.40			
NICKEL	2.60 B	J	B		8.90			
POTASSIUM	222.00 B				256.00 B			
SELENIUM	0.74 B	J	*10		0.89 B	J	*10	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S27DAA	S27DAID	S28DAA	S28DCA	S28DDA				
OGDEN ID	S27DAA	S27DAID	S28DAA	S28DCA	S28DDA				
Date Sampled	8/20/97	8/20/97	7/29/97	7/28/97	7/28/97				
Depth	0.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (MG/KG) Continued									
SILVER	0.51 U	UJ B		0.47 U	U		0.52 U	U	
SODIUM	65.30 U	U		60.60 U	U		67.10 U	U	
THALLIUM	0.78 U	UJ B		0.72 U	U		0.80 U	U	
VANADIUM	15.30			16.50			5.70 B		
ZINC	9.50			12.90	J E		6.80	J E	
IM40HG (MG/KG)									
MERCURY	0.06 U	UJ Q		0.06 U	U		0.05 U	UJ B	

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S28DEA	S28DFA	S28DGA	S28DHA	S28DIA												
OGDEN ID	S28DEA	S28DFA	S28DGA	S28DHA	S28DIA												
Date Sampled	7/28/97	7/28/97	7/29/97	7/29/97	7/29/97												
Depth	30.00	40.00	50.00	60.00	70.00												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE					
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.45		UJ	Q,*2,\$	3.60		J	E,Q,*2	2.40	U	UJ	Q		2.50	U	UJ	Q
	0.03				0.02				0.05					0.04			
	35.60		J	Q,*2	59.40		J	Q,*2	122.00		J	Q,*2		63.90		J	Q,*2
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP																	
CYAN (MG/KG) CYANIDE	0.56	U	U		0.55	U	U		0.57	U	U		0.51	U	U	U	
IM40 (MG/KG) ALUMINUM	725.00		J	E	723.00		J	E	937.00		J	E		701.00		J	E
ANTIMONY	0.56	U	U		0.55	U	U		0.55	U	U		0.50	U	U	U	
ARSENIC	1.20	B	J	*10	0.72	B	J	*10	0.71	U	U		1.40	B		1.10	B
BARIUM	3.00	B			3.10	B			3.80	B			2.10	B		3.40	B
BERYLLIUM	0.12	B			0.08	B			0.09	B			0.10	B		0.12	B
CADMIUM	0.08	U	U		0.08	U	U		0.08	U	U		0.07	U	U	0.06	U
CALCIUM	31.00	B	J	*10	57.90	B			91.00	B			40.60	B		68.20	B
CHROMIUM, TOTAL	2.20	J	J	E	2.20	J	J	E	2.70	J	J	E	2.20	J	J	2.90	J
COBALT	0.60	B			0.71	B			0.84	B			0.41	B	J	0.46	B
COPPER	1.40	B			1.70	B			2.20	B			4.20	B		2.00	B
IRON	2670.00		J	E	2340.00		J	E	2370.00		J	E	2500.00		J	2740.00	
LEAD	1.40	J	J	*2	1.30	J	J	*2	1.40	J	J	*2	1.50	J	J	1.30	J
MAGNESIUM	172.00	B			209.00	B			401.00	B			182.00	B		224.00	B
MANGANESE	24.80				23.80				24.20				12.10			16.40	
NICKEL	1.10	B			1.10	B			1.60	B			0.93	B		1.20	B
POTASSIUM	112.00	B	J	*10	124.00	B			189.00	B			144.00	B		182.00	B
SELENIUM	0.62	U	U		0.61	U	U		0.61	U	U		0.56	U	U	0.46	U

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S28DEA	S28DIA	S28DIA	S28DIA
OGDEN ID	S28DEA	S28DIA	S28DIA	S28DIA
Date Sampled	7/28/97	7/29/97	7/29/97	7/29/97
Depth	30.00	40.00	50.00	70.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (MG/KG) Continued				
SILVER	0.52 U	U	U	U
SODIUM	67.30 U	U	U	U
THALLIUM	0.80 U	U	U	U
VANADIUM	4.00 B	B	B	B
ZINC	6.40	J	J	E
IM40HG (MG/KG)				
MERCURY	0.11	U	U	B
	0.51 U	U	U	U
	65.70 U	U	U	U
	0.78 U	U	U	U
	3.40 B	B	B	B
	26.70	J	J	E
	0.05 U	U	U	B
	0.51 U	U	U	U
	66.00 U	U	U	U
	0.79 U	U	U	U
	3.10 B	B	B	B
	6.00	J	J	E
	0.05 U	U	U	B
	0.47 U	U	U	U
	60.30 U	U	U	U
	0.72 U	U	U	U
	3.90 B	B	B	B
	6.80	J	J	E
	0.05 U	U	U	B
	0.39 U	U	U	U
	49.80 U	U	U	U
	0.59 U	U	U	U
	4.50 B	B	B	B
	6.80	J	J	E
	0.05 U	U	U	B

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EPA NO	S281DKA	S281DLA	S291DAA	S291DCA
OGDEN ID	S281DKA	S281DLA	S291DAA	S291DCA
Date Sampled	7/29/97	7/29/97	7/31/97	7/31/97

Depth		80.00	90.00	100.00	0.00	10.00			
Method Analytic		ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (MG/KG) Continued									
SILVER		0.52 U	U			0.61 U	U		
SODIUM		67.60 U	U			79.10 U	U		
THALLIUM		0.80 U	U			0.94 U	U		
VANADIUM		5.00 B	B			4.50 B	B		
ZINC		5.20 J	J	E		3.90 B	J	E	
IM40HG (MG/KG)									
MERCURY		0.05 U	UJ	B		0.06 U	UJ	B	
			</						

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S29DDA	S29DEA	S29DFA	S29DGA	S29DHA			
OGDEN ID	S29DDA	S29DEA	S29DFA	S29DGA	S29DHA			
Date Sampled	7/31/97	7/31/97	7/31/97	7/31/97	7/31/97			
Depth	20.00	30.00	40.00	50.00	60.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.50 U	UJ	UJ	*2	2.50 U	UJ	UJ	*2
	0.02				0.02			
	86.40	J	J	*2	50.00	J	J	*2
	0.52 U	U	U		0.59 U	U	U	
	721.00				2360.00			
	0.46 U	U	U		0.50 U	U	U	
	0.82 B	J	J	*10	0.64 U	U	J	*10
	2.40 B				5.80 B			
	0.06 B	J	J	*10	0.07 B	J	J	*10
	0.07 U	U	U		0.07 U	U	U	
365.2 (MG/KG) NITRATE/NITRITE (AS N)	378.00 B		J	*10	271.00 B			
	2.80	J	J	*2	2.70	J	J	*2
	3.00 B				2.60 B			
	3.90 B	J	J	F	2.90 B	J	J	F
	1740.00				5410.00			
	0.99				2.20			
	215.00 B				1190.00			
	12.40				92.60			
	1.00 B				2.50 B			
	171.00 B				201.00 B			
PHOSPHORUS, TOTAL ORTHOP CYAN (MG/KG)	0.51 U	U	U		0.55 U	U	U	
	0.49 U	U	U		0.58 U	U	U	
	166.00 B				166.00 B			
	1.20 B				1.20 B			
	41.60				41.60			
	278.00 B				278.00 B			
	1.70				1.70			
	2510.00				2510.00			
	1.70 B	J	J	F	1.60 B	J	J	F
	0.72 B				0.72 B			
IM40 (MG/KG) ALUMINUM	1860.00				783.00			
	0.44 U	U	U		0.52 U	U	U	
	1.20 B		J	*10	1.10 B	J	J	*10
	9.70 B				2.90 B			
	0.04 B	J	J	*10	0.09 B	J	J	*10
	0.06 U	U	U		0.07 U	U	U	
	53.40 B		J	*10	100.00 B			
	2.30	J	J	*2	1.80 B	UJ	J	*2
	1.10 B				0.72 B			
	1.70 B	J	J	F	1.60 B	J	J	F
CHROMIUM, TOTAL COBALT	4670.00				2550.00			
	1.70				1.70			
	940.00				278.00 B			
	221.00				41.60			
	5.00 B				1.20 B			
	244.00 B				166.00 B			
	0.49 U	U	U		0.58 U	U	U	
	0.58 U	U	U		0.55 U	U	U	
	201.00 B				201.00 B			
	2.50 B				2.50 B			
MAGNESIUM MANGANESE NICKEL	1.00 B				1.00 B			
	12.40				12.40			
	215.00 B				215.00 B			
	0.99				0.99			
	1740.00				1740.00			
	0.78 B	J	J	F	0.78 B	J	J	F
	0.48 B				0.48 B			
	1.90	J	J	*2	1.90	J	J	*2
	47.80 B				47.80 B			
	0.07 U	U	U		0.07 U	U	U	
BERYLLIUM CADMIUM CALCIUM	0.06 B	J	J	*10	0.06 B	J	J	*10
	0.07 U	U	U		0.07 U	U	U	
	0.09 B				0.09 B			
	1.10 B				1.10 B			
	3.00 B	J	J	F	2.90 B	J	J	F
	4670.00				5410.00			
	1.70				2.20			
	215.00 B				1190.00			
	12.40				92.60			
	1.00 B				2.50 B			
POTASSIUM SELENIUM	171.00 B				171.00 B			
	0.51 U	U	U		0.51 U	U	U	
	0.55 U	U	U		0.55 U	U	U	
	201.00 B				201.00 B			
	2.50 B				2.50 B			
	1.00 B				1.00 B			
	12.40				12.40			
	215.00 B				215.00 B			
	0.99				0.99			
	1740.00				1740.00			

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EPA NO	S29DIA	S29DJA	S29DKA	S29DLA	S30DCA			
OGDEN ID	S29DIA	S29DJA	S29DKA	S29DLA	S30DCA			
Date Sampled	7/31/97	7/31/97	7/31/97	7/31/97	10/27/97			
Depth	70.00	80.00	90.00	100.00	10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
350.2M (MG/KG) NITROGEN, AMMONIA (AS N)	2.45 U	UJ	UJ	*2	2.40 U	UJ	UJ	*2
	0.02				0.02			
	74.10	J	J	*2	45.40	J	J	*2
	0.54 U	U	U		0.54 U	U	U	
	1370.00				850.00			
	0.40 U	U	U		0.44 U	U	U	
	0.89 B	J	J	*10	0.67 B	J	J	*10
	3.50 B				3.10 B			
	0.09 B				0.07 B			
	0.06 U	U	U		0.06 U	U	U	
365.2 (MG/KG) PHOSPHORUS, TOTAL ORTHOP	176.00 B		J	*10	41.00 B	J	J	*10
	2.60	J	J	*2	2.40	J	J	*2
	1.10 B				0.79 B			
	2.20 B	J	J	F	1.20 B	J	J	F
	3140.00				2200.00			
	1.20				1.30			
	574.00 B				224.00 B			
	28.90				17.80			
	2.40 B				1.50 B			
	146.00 B				127.00 B			
CYAN (MG/KG) CYANIDE	0.44 U	U	U		0.49 U	U	U	
IM40 (MG/KG) ALUMINUM								
ANTIMONY								
ARSENIC								
BARIUM								
BERYLLIUM								
CADMIUM								
CALCIUM								
CHROMIUM, TOTAL								
COBALT								
COPPER								
IRON								
LEAD								
MAGNESIUM								
MANGANESE								
NICKEL								
POTASSIUM								
SELENIUM								

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S30DDA	S30DEA	?	?	?
OGDEN ID	S30DDA	S30DEA			
Date Sampled	10/27/97	10/27/97			
Depth	20.00	30.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/KG)					
NITROGEN, AMMONIA (AS N)	3.00	J	Q		
353.2M (MG/KG)					
NITRATE/NITRITE (AS N)	0.03	J	F		
365.2 (MG/KG)					
PHOSPHORUS, TOTAL ORTHOP	99.20	J	Q,E		
CYAN (MG/KG)					
CYANIDE	0.51	U	U		
IM40 (MG/KG)					
ALUMINUM	1500.00				
ANTIMONY	0.55	U	UJ		
ARSENIC	0.73	B	J	B,*10	
BARIUM	9.30	B			
BERYLLIUM	0.16	B			
CADMIUM	0.08	U	U		
CALCIUM	183.00	B			
CHROMIUM, TOTAL	4.00				
COBALT	1.70	B			
COPPER	3.10	B			
IRON	3960.00				
LEAD	2.40	UJ	B		
MAGNESIUM	624.00	B			
MANGANESE	167.00				
NICKEL	2.50	B			
POTASSIUM	415.00	B			
SELENIUM	0.76	U	U		

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Group B: Soil Data for Methods 350.2M, 353M, 365.2, CYAN, IM40 and IM40HIG

EPA NO	S30DDA	S30DEA	?	?
OGDEN ID	S30DDA	S30DEA		
Date Sampled	10/27/97	10/27/97		
Depth	20.00	30.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (MG/KG) Continued				
SILVER	0.21 U	UJ	UJ	B
SODIUM	82.00 U	U	U	
THALLIUM	1.10 U	U	U	
VANADIUM	3.80 B	J	J	A
ZINC	13.90	J	J	A
IM40HG (MG/KG)				
MERCURY	0.05 U	U	U	

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03OAE	DW01	DW02	G00DAA	G00DBA
OGDEN ID	B03OAE	DW01		G00DAA	G00DBA
Date Sampled	9/10/97	8/7/97		8/27/97	
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/L)					
NITROGEN, AMMONIA (AS N)	0.0200 U	U			
353.2M (MG/L)					
NITRATE/NITRITE (AS N)	0.0100 U	U			
365.2 (MG/L)					
PHOSPHORUS, TOTAL ORTHOPH	0.0100 U	U			
CYAN (UG/L)					
CYANIDE	5.00 U	U		88.5	
IM40 (UG/L)					
ALUMINUM	36.8 U	U		559	68.5 B
ANTIMONY	2.80 U	U		68.5	2.80 U
ARSENIC	3.60 U	U		61.5	3.60 U
BARIUM	5.60 B	U		214	3.00 U
BERYLLIUM	0.2000 U	U		52.9	0.2000 U
CADMIUM	0.4000 U	U		115	0.4000 U
CALCIUM	145 U	U		145 U	40,100
CHROMIUM, TOTAL	1.30 U	U		308	1.30 U
COBALT	2.80 B	U		343	1.40 U
COPPER	52.4	U		378	8.10 B
IRON	26.0 U	U		327	26.0 U
LEAD	2.00 U	U		201	2.00 U
MAGNESIUM	114 U	U		114 U	33,100
MANGANESE	0.8200 B	U		336	5.10 B
NICKEL	10.0 B	U		200	1.60 U
POTASSIUM	305 U	U		305 U	20,800
SELENIUM	3.10 U	U		182	3.10 U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	B03OAE	DW01	DW02	G00DAA	G00DDBA
OGDEN ID	B03OAE	DW01	DW02	G00DAA	G00DDBA
Date Sampled	9/10/97	8/7/97	8/18/97	8/27/97	8/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (UG/L) Continued					
SILVER	2.60 U	U		2.60 U	U
SODIUM	336 U	U		336 U	UJ B
THALLIUM	4.00 U	U		4.00 U	U
VANADIUM	1.20 U	U		1.20 U	U
ZINC	1.80 B	UJ B		6.50 B	UJ B
IM40HG (UG/L)					
MERCURY	0.1000 U	U		0.1000 U	UJ B

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	G15DAE	S01DFE	S02DAE	S04DAE	S04DAF							
OGDEN ID	G15DAE	S01DFE	S02DAE	S04DAE	S04DAF							
Date Sampled	9/2/97	8/21/97	8/20/97	8/13/97	8/13/97							
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
350.2M (MG/L) NITROGEN, AMMONIA (AS N) 353.2M (MG/L) NITRATE/NITRITE (AS N) 365.2 (MG/L) PHOSPHORUS, TOTAL ORTHOPH CYAN (UG/L) CYANIDE IM40 (UG/L) ALUMINUM ANTIMONY ARSENIC BARIUM BERYLLIUM CADMIUM CALCIUM CHROMIUM, TOTAL COBALT COPPER IRON LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM SELENIUM												
	0.0600 U	U	U	0.0200 U	U	U	0.0500			0.0400		
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100			0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
	36.8 U	U	U	36.8 U	U	U	36.8 U	U	U	36.8 U	U	U
	2.80 U	U	U	2.80 U	U	U	2.80 U	U	U	2.80 U	U	U
	3.60 U	U	U	3.60 U	U	U	3.60 U	U	U	3.60 U	U	U
	3.00 U	U	U	3.00 U	U	U	3.00 U	U	U	3.00 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
0.5900 B	U	U	5.20	U	U	0.4000 U	U	U	0.4000 U	U	U	
145 U	U	U	145 U	U	U	145 U	U	U	145 U	U	U	
1.30 U	U	U	1.30 U	U	U	1.30 U	U	U	1.30 U	U	U	
1.40 U	U	U	1.40 U	U	U	1.40 U	U	U	1.40 U	U	U	
1.40 B	U	U	1.20 U	U	U	1.20 U	U	U	1.20 U	U	U	
29.4 B	U	U	26.0 U	U	U	26.0 U	U	U	26.0 U	U	U	
2.00 U	U	U	2.00 U	U	U	2.00 U	U	U	2.00 U	U	U	
114 U	U	U	114 U	U	U	114 U	U	U	114 U	U	U	
1.30 B	U	U	0.3000 U	U	U	0.3000 U	U	U	0.3000 U	U	U	
1.60 U	U	U	1.60 U	U	U	1.60 U	U	U	1.60 U	U	U	
305 U	U	U	305 U	U	U	305 U	U	U	305 U	U	U	
3.10 U	U	U	3.10 U	U	U	3.10 U	U	U	3.10 U	U	U	

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	G15DAE	S01DAE	S02DAE	S04DAE	S04DAE				
OGDEN ID	G15DAE	S01DAE	S02DAE	S04DAE	S04DAE				
Date Sampled	9/2/97	8/21/97	8/20/97	8/13/97	8/13/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (UG/L) Continued									
SILVER	2.60 U	U	U	2.60 U	U	U	2.60 U	U	U
SODIUM	336 U	U	U	336 U	U	U	336 U	U	U
THALLIUM	4.00 U	U	U	4.00 U	U	U	4.00 U	U	U
VANADIUM	1.20 U	U	U	1.20 U	U	U	1.20 U	U	U
ZINC	1.90 B	U	B	1.20 U	U	B	3.10 B	U	B
IM40HG (UG/L)									
MERCURY	0.4400	U	U	0.1000 U	U	U	0.1000 U	U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S07DFE	S11DAE	S11DEF	S12DAE	S14DAEb
OGDEN ID	S07DFE	S11DAE	S11DEF	S12DAE	S14DAE
Date Sampled	7/30/97	8/8/97	8/11/97	8/5/97	7/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
350.2M (MG/L)					
NITROGEN, AMMONIA (AS N)	0.0200 U	U		0.0300	0.0200 U
353.2M (MG/L)					
NITRATE/NITRITE (AS N)	0.0100 U	U		0.0100 U	0.0100 U
365.2 (MG/L)					
PHOSPHORUS, TOTAL ORTHOPH	0.0100 U	U		0.0100 U	0.0100 U
CYAN (UG/L)					
CYANIDE	5.00 U	U		5.00 U	5.00 U
IM40 (UG/L)					
ALUMINUM	36.8 U	U		36.8 U	36.8 U
ANTIMONY	2.80 U	U		2.80 U	2.80 U
ARSENIC	3.60 U	U		3.60 U	3.60 U
BARITUM	3.00 U	U		3.00 U	3.00 U
BERYLLIUM	0.2000 U	U		0.2200 B	0.2000 U
CADMIUM	0.9200 B	U		0.4000 B	0.4000 U
CALCIUM	145 U	U		145 U	145 U
CHROMIUM, TOTAL	1.30 U	U		1.30 U	1.30 U
COBALT	1.40 U	U		1.40 U	1.40 U
COPPER	1.20 U	U		1.20 U	1.20 U
IRON	26.0 U	U		26.0 U	26.0 U
LEAD	2.00 U	U		2.00 U	2.00 U
MAGNESIUM	114 U	U		114 U	114 U
MANGANESE	0.3600 B	U		0.3000 U	0.3500 B
NICKEL	1.60 U	U		1.60 U	1.60 U
POTASSIUM	305 U	U		305 U	305 U
SELENIUM	3.10 U	U		3.10 U	3.10 U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S07DFE	S11DAE	S11DEF	S12DAE	S14DAE
OGDEN ID	S07DFE	S11DAE	S11DEF	S12DAE	S14DAE
Date Sampled	7/30/97	8/8/97	8/11/97	8/5/97	7/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (UG/L) Continued					
SILVER	2.60 U	U	U	2.60 U	U
SODIUM	336 U	U	U	336 U	U
THALLIUM	4.00 U	U	U	8.50 B	U
VANADIUM	1.20 U	U	U	1.20 U	U
ZINC	1.70 B	U	U	1.20 U	U
IM40HG (UG/L)					
MERCURY	0.1000 U	U	U	0.1100 B	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S14DDE	S14DDF	S14DJE	S15DFE	S28DCE				
OGDEN ID	S14DDE	S14DDF	S14DJE	S15DFE	S28DCE				
Date Sampled	7/22/97	7/22/97	7/23/97	8/29/97	7/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/L) NITROGEN, AMMONIA (AS N)	0.0200 U	U	U	0.0200 U	U	U	0.0400 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
353.2M (MG/L) NITRATE/NITRITE (AS N)	0.0100 U	U	U	0.0200			0.0100		U
365.2 (MG/L) PHOSPHORUS, TOTAL ORTHOPH	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
CYAN (UG/L) CYANIDE	96.3 U	U	U	96.3 U	U	U	36.8 U	U	U
IM40 (UG/L) ALUMINUM	5.40 U	U	U	5.40 U	U	U	2.80 U	U	U
ANTIMONY	4.90 U	U	U	4.90 U	U	U	3.60 U	U	U
ARSENIC	7.90 U	U	U	7.90 U	U	U	3.00 U	U	U
BARIUM	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
BERYLLIUM	0.5000 U	U	U	0.5900 B			0.4600 B		U
CADMIUM	218 U	U	U	218 U	U	U	145 U	U	U
CALCIUM	1.60 U	U	U	1.60 U	U	U	1.30 U	U	U
CHROMIUM, TOTAL	2.70 U	U	U	2.70 U	U	U	1.40 U	U	U
COBALT	1.80 U	U	U	1.80 U	U	U	1.30 B		U
COPPER	50.1 U	U	U	50.1 U	U	U	27.5 B		U
IRON	2.30 U	U	U	2.30 U	U	U	2.00 U	U	U
LEAD	226 U	U	U	226 U	U	U	114 U	U	U
MAGNESIUM	1.30 U	U	U	1.30 U	U	U	0.3000 B		U
MANGANESE	2.90 U	U	U	2.90 U	U	U	1.60 U	U	U
NICKEL	213 U	U	U	213 U	U	U	305 U	U	U
POTASSIUM	4.90 U	U	U	4.90 U	U	U	3.10 U	U	U
SELENIUM									

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CVAN, IM40 and IM40HG

EPA NO	S14DDF	S14DDF	S14DDF	S15DFE	S28DCE
OGDEN ID	S14DDF	S14DDF	S14DDF	S15DFE	S28DCE
Date Sampled	7/22/97	7/22/97	7/23/97	8/29/97	7/28/97
Depth					
Method Analyte	ANALYTICAL RESULT	REV QUAL CODE	LAB QUAL CODE	ANALYTICAL RESULT	REV QUAL CODE
IM40 (UG/L) Continued					
SILVER	1.80 U	U	1.80 U	2.60 U	U
SODIUM	537 U	U	537 U	336 U	U
THALLIUM	7.10 U	U	7.10 U	4.00 U	U
VANADIUM	3.50 U	U	3.50 U	1.20 U	U
ZINC	1.20 U	U	1.20 U	2.10 B	U
IM40HG (UG/L)					
MERCURY	0.1000 U	U	0.1000 U	0.1000 U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S29DAE	W09SDI	W09SSA	W09SSD	W09SSE
OGDEN ID	S29DAE	W09SDI	W09SSA	W09SSD	W09SSE
Date Sampled	7/31/97	10/29/97	10/29/97	10/29/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/L)					
NITROGEN, AMMONIA (AS N)	0.0200 U		UJ	0.0200 U	
353.2M (MG/L)					
NITRATE/NITRITE (AS N)	0.0100 U		J	0.0200 U	
365.2 (MG/L)					
PHOSPHORUS, TOTAL ORTHOPH	0.0100 U		U	0.0200 U	
CYAN (UG/L)					
CYANIDE	5.00 U		U	5.00 U	
IM40 (UG/L)					
ALUMINUM	36.8 U		U	21.9 U	
ANTIMONY	2.80 U		U	2.90 U	
ARSENIC	3.60 U		U	2.50 U	
BARIUM	3.00 U		U	7.10 B	
BERYLLIUM	0.2000 U		UJ	0.1000 U	
CADMIUM	0.4000 U		U	0.4000 U	
CALCIUM	145 U		U	1,310 B	
CHROMIUM, TOTAL	1.30 U		J	0.9600 B	
COBALT	1.40 U		J	1.60 B	
COPPER	5.90 B		UJ	1.10 U	
IRON	26.0 U		UJ	106	
LEAD	2.00 U		UJ	1.70 U	
MAGNESIUM	114 U		U	1,200 B	
MANGANESE	0.3000 U		U	52.1	
NICKEL	1.60 U		U	8.00 B	
POTASSIUM	305 U		U	747 B	
SELENIUM	3.10 U		U	4.00 U	

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	S29DAE	W09SDI	W09SSA	W09SSD	W09SSI	
OGDEN ID	S29DAE	W09SDI	W09SSA	W09SSD	W09SSI	
Date Sampled	7/31/97	10/29/97	10/29/97	10/29/97	10/29/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (UG/L) Continued						
SILVER	2.60 U	U	U	1.10 U	U	U
SODIUM	336 U	U	U	4,830 B	U	U
THALLIUM	4.00 U	U	U	6.00 U	U	U
VANADIUM	1.20 U	U	U	2.20 B	J	J
ZINC	4.40 B	UJ B	UJ B	8.10 B	UJ B	UJ B
IM40HG (UG/L)						
MERCURY	0.1000 U	U	U	0.1000 U	U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W09SSL	W18DDA	W18DDL	W21SSA	W21SSE				
OGDEN ID	W09SSL	W18DDA	W18DDL	W21SSA	W21SSE				
Date Sampled	10/29/97	10/22/97	10/22/97	10/24/97	10/23/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/L) NITROGEN, AMMONIA (AS N)				0.0300	J	*2	0.0300	J	*2,F
353.2M (MG/L) NITRATE/NITRITE (AS N)				0.0400 U	U		0.1000		
365.2 (MG/L) PHOSPHORUS, TOTAL ORTHOPH				0.2800	J	*2	0.0800	J	*2
CYAN (UG/L) CYANIDE				5.00 U	U		5.00 U	U	U
IM40 (UG/L) ALUMINUM	21.9 U	U		1,020			1,440		21.9 U
ANTIMONY	2.90 U	U		2.90 U	U		2.90 U	U	2.90 U
ARSENIC	2.50 U	U		2.50 U	U		2.50 U	UJ B	2.50 U
BARIUM	7.40 B			21.2 B			27.9 B		3.60 U
BERYLLIUM	0.1000 U	UJ B		0.1000 U	U		0.1000 U	U	0.1000 U
CADMIUM	0.4000 U	U		0.4000 U	U		0.4000 U	U	0.4000 U
CALCIUM	1,370 B			7,540			7,030		89.2 U
CHROMIUM, TOTAL	0.9000 U	U		3.20 B	UJ B		4.90 B		0.9000 U
COBALT	1.90 B	J	*10	1.30 U	U		1.60 B	J	*10
COPPER	1.10 U	UJ B		1.20 B	J	*10,F	2.30 B	J	F
IRON	92.4 B	UJ B		2,220			1,640		20.4 U
LEAD	1.70 U	UJ B		2.60 B	UJ B		1.70 U	UJ	*2
MAGNESIUM	1,250 B			3,210 B			3,080 B		
MANGANESE	56.8			251			326		
NICKEL	6.10 B			1.50 B	UJ B		3.40 B		
POTASSIUM	717 B			1,610 B			2,190 B		
SELENIUM	4.00 U	U		4.00 U	U		4.00 U	U	

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W09SSL	W18DIDA	W18DIDL	W21SSA	W21SSLE	
OGDEN ID	W09SSL	W18DIDA	W18DIDL	W21SSA	W21SSLE	
Date Sampled	10/29/97	10/22/97	10/22/97	10/24/97	10/23/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
IM40 (UG/L) Continued						
SILVER	1.10 U	U	U	1.10 U	U	U
SODIUM	4.690 B			24.000		
THALLIUM	6.00 U	U	U	6.90 B	J	*10
VANADIUM	1.20 U	U	U	2.60 B	UJ	B
ZINC	7.60 B	UJ	B	10.1 B	UJ	B
IM40HG (UG/L)						
MERCURY	0.1000 U	U	U	0.1000 U	U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W21SSL	W23DDA	W23DDI	W23DDI	W23SSA				
OGDEN ID	W21SSL	W23DDA	W23DDI	W23DDI	W23SSA				
Date Sampled	10/24/97	10/28/97	10/28/97	10/28/97	10/27/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
350.2M (MG/L)									
NITROGEN, AMMONIA (AS N)									
353.2M (MG/L)									
NITRATE/NITRITE (AS N)									
365.2 (MG/L)									
PHOSPHORUS, TOTAL ORTHOPH									
CYAN (UG/L)									
CYANIDE									
IM40 (UG/L)									
ALUMINUM	237								
ANTIMONY	2.90 U								
ARSENIC	2.50 U								
BARIUM	20.1 B								
BERYLLIUM	0.1000 U								
CADMIUM	0.4000 U								
CALCIUM	6,700								
CHROMIUM, TOTAL	0.9000 U								
COBALT	1.40 B								
COPPER	1.10 U								
IRON	136								
LEAD	1.70 U								
MAGNESIUM	2,790 B								
MANGANESE	297								
NICKEL	2.30 B								
POTASSIUM	1,990 B								
SELENIUM	4.00 U								

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W09SSL	W18DDA	W18DDL	W21SSA	W21SSE			
OGDEN ID	W09SSL	W18DDA	W18DDL	W21SSA	W21SSE			
Date Sampled	10/29/97	10/22/97	10/22/97	10/24/97	10/23/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
IM40 (UG/L) Continued								
SILVER	1.10 U	U	U	U	1.10 U	U	U	U
SODIUM	4.690 B	U	U	U	24.000	6.90 B	J	*10
THALLIUM	6.00 U	U	U	U	2.60 B	UJ	UJ	B
VANADIUM	1.20 U	U	U	U	10.1 B	UJ	UJ	B
ZINC	7.60 B	UJ	UJ	B	0.1000 U	U	U	U
IM40HG (UG/L)								
MERCURY	0.1000 U	U	U	U	0.1000 U	U	U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W21SSL	W23DDA	W23DDI	W23SSA
OGDEN ID	W21SSL	W23DDA	W23DDI	W23SSA
Date Sampled	10/24/97	10/28/97	10/28/97	10/27/97
Depth				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
350.2M (MG/L)				
NITROGEN, AMMONIA (AS N)				
353.2M (MG/L)				
NITRATE/NITRITE (AS N)				
365.2 (MG/L)				
PHOSPHORUS, TOTAL ORTHOPH				
CYAN (UG/L)				
CYANIDE				
IM40 (UG/L)				
ALUMINUM	237			
ANTIMONY	2.90 U			
ARSENIC	2.50 U			
BARIUM	20.1 B			
BERYLLIUM	0.1000 U			
CADMIUM	0.4000 U			
CALCIUM	6,700			
CHROMIUM, TOTAL	0.9000 U			
COBALT	1.40 B			
COPPER	1.10 U			
IRON	136			
LEAD	1.70 U			
MAGNESIUM	2,790 B			
MANGANESE	297			
NICKEL	2.30 B			
POTASSIUM	1,990 B			
SELENIUM	4.00 U			

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W21SSL	W23DDA	W23DDE	W23SSA	W23DDL	
OGDEN ID	W21SSL	W23DDA	W23DDE	W23SSA	W23DDL	
Date Sampled	10/24/97	10/28/97	10/28/97	10/27/97	10/27/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
IM40 (UG/L) Continued						
SILVER	1.10 U	U	U	1.10 U	U	U
SODIUM	24.200	U	U	6.400	U	U
THALLIUM	6.00 U	U	U	6.00 U	U	U
VANADIUM	1.20 U	U	U	1.20 U	U	U
ZINC	4.60 B	U	U	5.90 B	U	U
IM40HG (UG/L)						
MERCURY	0.1000 U	U	U	0.1000 U	U	U

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W23SSE	W23SSL	W3CNRA	?	?				
OGDEN ID	W23SSE	W23SSL	W3CNRA						
Date Sampled	10/27/97	10/27/97	10/23/97						
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
350.2M (MG/L) NITROGEN, AMMONIA (AS N)	0.0200					J	0.0200		F,*2
353.2M (MG/L) NITRATE/NITRITE (AS N)	0.0100	U					0.0800		
365.2 (MG/L) PHOSPHORUS, TOTAL ORTHOPH	0.0100	U				J	0.0500		*2
CYAN (UG/L) CYANIDE	5.00	U				U	5.00	U	
IM40 (UG/L) ALUMINUM	21.9	U				U	21.9	U	
ANTIMONY	2.90	U			U	U	2.90	U	
ARSENIC	2.50	U			U	U	2.50	U	B
BARIUM	3.60	U				U	3.60	U	
BERYLLIUM	0.1000	U			U	U	0.1000	U	B
CADMIUM	0.4000	U			U	U	0.4000	U	
CALCIUM	89.1	U					1,710	B	
CHROMIUM, TOTAL	0.9000	U			U	U	0.9000	U	B
COBALT	1.30	U				U	1.30	U	
COPPER	1.10	U			U	U	2.50	B	F
IRON	20.4	U			U	U	20.4	U	
LEAD	1.70	U			U	U	1.70	U	
MAGNESIUM	88.9	U					1,080	B	
MANGANESE	0.4000	U				U	0.4000	U	
NICKEL	0.9000	U				U	0.9000	U	
POTASSIUM	194	U					665	B	
SELENIUM	4.00	U			U	U	4.00	U	

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GROUP C: Water Data for Methods 350.2M, 353.2M, 365.2, CYAN, IM40 and IM40HG

EPA NO	W23SSE	W23SSL	W3CNRA		
OGDEN ID	W23SSE	W23SSL	W3CNRA		
Date Sampled	10/27/97	10/27/97	10/23/97		
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
IM40 (UG/L) Continued					
SILVER	1.10 U	U	U	1.10 U	U
SODIUM	431 U	U	U	5.780	U
THALLIUM	6.00 U	U	U	6.00 U	U
VANADIUM	1.20 U	U	U	1.20 U	U
ZINC	6.70 B	U	U	34.3	B
IM40HG (UG/L)					
MERCURY	0.1000 U	U	U	0.1000 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	REV QUAL CODE	LAB QUAL CODE	ANALYTICAL RESULT	REV QUAL CODE
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.59 U	R	D	0.58 U	R
TERT-BUTYL METHYL ETHER	0.59 U	R	D	0.58 U	R
OM31V (UG/KG)					
CHLOROMETHANE	12.00 U	U	U	12.00 U	U
BROMOMETHANE	12.00 U	U	U	12.00 U	U
VINYL CHLORIDE	12.00 U	U	U	12.00 U	U
CHLOROETHANE	12.00 U	U	U	12.00 U	U
METHYLENE CHLORIDE	12.00 U	U	U	12.00 U	U
ACETONE	12.00 U	U	U	12.00 U	U
CARBON DISULFIDE	12.00 U	U	U	12.00 U	U
1,1-DICHLOROETHENE	12.00 U	U	U	12.00 U	U
1,1-DICHLOROETHANE	12.00 U	U	U	12.00 U	U
TOTAL 1,2-DICHLOROETHENE	12.00 U	U	U	12.00 U	U
CHLOROFORM	12.00 U	U	U	12.00 U	U
1,2-DICHLOROETHANE	12.00 U	U	U	12.00 U	U
METHYL ETHYL KETONE (2-BU	12.00 U	U	U	12.00 U	U
1,1,1-TRICHLOROETHANE	12.00 U	U	U	12.00 U	U
CARBON TETRACHLORIDE	12.00 U	U	U	12.00 U	U
BROMODICHLOROMETHANE	12.00 U	U	U	12.00 U	U
1,2-DICHLOROPROPANE	12.00 U	U	U	12.00 U	U
CIS-1,3-DICHLOROPROPENE	12.00 U	U	U	12.00 U	U
TRICHLOROETHYLENE (TCE)	12.00 U	U	U	12.00 U	U
DIBROMOCHLOROMETHANE	12.00 U	U	U	12.00 U	U
1,1,2-TRICHLOROETHANE	12.00 U	U	U	12.00 U	U
BENZENE	12.00 U	U	U	12.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL
	REV QUAL	REV QUAL	REV QUAL	REV QUAL	REV QUAL
	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
BROMOFORM	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
METHYL ISOBUTYL KETONE (4	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
2-HEXANONE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
TETRACHLOROETHYLENE(PCH	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
1,1,2,2-TETRACHLOROETHANE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
TOLUENE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
CHLOROBENZENE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
ETHYLBENZENE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
STYRENE	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
XYLENES, TOTAL	12.00 U	15.00 U	12.00 U	12.00 U	27.00 U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYL					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA	
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA	
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97	
Depth	0.00	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL REV QUAL CODE
8021S (UG/KG) 1,2-DIBROMOETHANE (ETHYLE TERT-BUTYL METHYL ETHER OM31V (UG/KG) CHLOROMETHANE BROMOMETHANE VINYL CHLORIDE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICILOROETILANE TOTAL 1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BU 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE) DIBROMOCHLOROMETHANE 1,1,2-TRICHLOROETHANE BENZENE	0.66 U	R S	0.60 U	UJ S	0.65 U	UJ S
	0.66 U	R D	0.58 U	U	0.64 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	37.00 B	R D	16.00	UJ B,C	78.00	UJ B,C
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U
	14.00 U	R D	12.00 U	U	66.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA	
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA	
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97	
Depth	0.00	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG) Continued						
TRANS-1,3-DICHLOROPROPEN	14.00 U	R D	U	12.00 U	U	U
BROMOFORM	14.00 U	R D	U	12.00 U	U	U
METHYL ISOBUTYL KETONE (4	14.00 U	R D	U	12.00 U	U	U
2-HEXANONE	14.00 U	R D	U	12.00 U	UJ C	UJ C
TETRACHLOROETHYLENE(PCB	14.00 U	R D	U	12.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	14.00 U	R D	U	12.00 U	U	U
TOLUENE	14.00 U	R D	U	12.00 U	U	U
CHLOROBENZENE	14.00 U	R D	U	12.00 U	U	U
ETHYLBENZENE	14.00 U	R D	U	12.00 U	U	U
STYRENE	14.00 U	R D	U	12.00 U	U	U
XYLENES, TOTAL	14.00 U	R D	U	12.00 U	U	U
8021S (MG/KG)						
1,2-DIBROMOETHANE (ETHYLE						
TERT-BUTYL METHYL ETHER						

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE
8021S (UG/KG) 1,2-DIBROMOETHANE (ETHYLE TERT-BUTYL METHYL ETHER OM31V (UG/KG) CHLOROMETHANE BROMOMETHANE VINYL CHLORIDE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE TOTAL 1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BU 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE) DIBROMOCHLOROMETHANE 1,1,2-TRICHLOROETHANE BENZENE	0.58 U	UJ C	UJ C		0.58 U	UJ C	UJ C	
	0.58 U	UJ C	UJ C		0.58 U	UJ C	UJ C	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 J	UJ B,C	UJ B,C		12.00 J	UJ B,C	UJ B,C	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	UJ C	UJ C		12.00 U	UJ C	UJ C	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	
	12.00 U	U	U		12.00 U	U	U	

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	12.00 U	U	12.00 U
BROMOFORM	12.00 U	U	12.00 U	U	12.00 U
METHYL ISOBUTYL KETONE (4	12.00 U	U	12.00 U	U	12.00 U
2-HEXANONE	12.00 U	UJ C	12.00 U	UJ C	12.00 U
TETRACHLOROETHYLENE(PCH	12.00 U	U	12.00 U	U	12.00 U
1,1,2,2-TETRACHLOROETHANE	12.00 U	U	12.00 U	U	12.00 U
TOLUENE	12.00 U	U	12.00 U	U	12.00 U
CHLOROBENZENE	12.00 U	U	12.00 U	U	12.00 U
ETHYLBENZENE	12.00 U	U	12.00 U	U	12.00 U
STYRENE	12.00 U	U	12.00 U	U	12.00 U
XYLENES, TOTAL	12.00 U	U	12.00 U	U	12.00 U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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EPA NO	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA				
OGDEN ID	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA				
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97				
Depth	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.58 U	R	D		0.61 U	R	D	
	TERT-BUTYL METHYL ETHER	0.58 U	R	D		0.61 U	U		
	OM31V (UG/KG)								
	CHLOROMETHANE	12.00 U	U			13.00 U	U		
	BROMOMETHANE	12.00 U	U			13.00 U	U		
	VINYL CHLORIDE	12.00 U	U			13.00 U	U		
	CHLOROETHANE	12.00 U	U			13.00 U	U		
	METHYLENE CHLORIDE	12.00 U	U			13.00 U	U		
	ACETONE	12.00 J	UJ	B,C		14.00	UJ	B	
	CARBON DISULFIDE	12.00 U	U			13.00 U	U		
1,1-DICHLOROETHENE	1,1-DICHLOROETHENE	12.00 U	U			13.00 U	U		
	1,1-DICHLOROETHANE	12.00 U	U			13.00 U	U		
	TOTAL 1,2-DICHLOROETHENE	12.00 U	U			13.00 U	U		
	CHLOROFORM	12.00 U	U			13.00 U	U		
	1,2-DICHLOROETHANE	12.00 U	U			13.00 U	U		
	METHYL ETHYL KETONE (2-BU	12.00 U	U			13.00 U	U		
	1,1,1-TRICHLOROETHANE	12.00 U	U			13.00 U	U		
	CARBON TETRACHLORIDE	12.00 U	U			13.00 U	U		
	BROMODICHLOROMETHANE	12.00 U	U			13.00 U	U		
	1,2-DICHLOROPROPANE	12.00 U	U			13.00 U	U		
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROPENE	12.00 U	U			13.00 U	U		
	TRICHLOROETHYLENE (TCE)	12.00 U	U			1.00 J	J		
	DIBROMOCHLOROMETHANE	12.00 U	U			13.00 U	U		
	1,1,2-TRICHLOROETHANE	12.00 U	U			13.00 U	U		
	BENZENE	12.00 U	U			13.00 U	U		
		12.00 U	U			13.00 U	U		
		12.00 U	U			13.00 U	U		
		12.00 U	U			13.00 U	U		
		12.00 U	U			13.00 U	U		
		12.00 U	U			13.00 U	U		

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03FAD	B03GAA	B03HAA	B03JAA	B03JAA
OGDEN ID	B03FAD	B03GAA	B03HAA	B03JAA	B03JAA
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97
Depth	0.00	0.00			0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	U			
BROMOFORM	12.00 U	U			
METHYL ISOBUTYL KETONE (4	12.00 U	U			
2-HEXANONE	12.00 U	U			
TETRACHLOROETHYLENE(PCE	12.00 U	U			
1,1,2,2-TETRACHLOROETHANE	12.00 U	U			
TOLUENE	12.00 U	U			
CHLOROBENZENE	12.00 U	U			
ETHYLBENZENE	12.00 U	U			
STYRENE	12.00 U	U			
XYLENES, TOTAL	12.00 U	U			
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA			
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA			
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97			
Depth	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8021S (UG/KG) 1,2-DIBROMOETHANE (ETHYLE TERT-BUTYL METHYL ETHER OM31V (UG/KG) CHLOROMETHANE BROMOMETHANE VINYL CHLORIDE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE TOTAL 1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BU 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE) DIBROMOCHLOROMETHANE 1,1,2-TRICHLOROETHANE BENZENE	0.59 U	UJ C			0.61 U	UJ C,S		
	0.59 U	UJ C			0.61 U	UJ C		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	21.00	UJ B,C			14.00	UJ B,C		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
	12.00 U	U			12.00 U	U		
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12.00 U	U			12.00 U	U			
12.00 U	U			12.00 U	U			
12.00 U	U							

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03KAA			B03LAA			B03MAA			B03NAA			B03OAA		
OGDEN ID	B03KAA			B03LAA			B03MAA			B03NAA			B03OAA		
Date Sampled	9/10/97			9/10/97			9/10/97			9/10/97			10/28/97		
Depth	0.00			0.00			0.00			0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG) Continued															
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
BROMOFORM	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
METHYL ISOBUTYL KETONE (4	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
2-HEXANONE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TETRACHLOROETHYLENE(PCB	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TOLUENE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
CHLOROBENZENE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
ETHYLBENZENE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
STYRENE	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
XYLENES, TOTAL	12.00 U	U	U	12.00 U	U	U	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
8021S (MG/KG)															
1,2-DIBROMOETHANE (ETHYLE															
TERT-BUTYL METHYL ETHER															

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03OAD	B06AAA			B06BAA			B06CAA			B06DAA		
OGDEN ID	B03OAD	B06AAA			B06BAA			B06CAA			B06DAA		
Date Sampled	10/28/97	10/24/97			10/24/97			10/24/97			10/24/97		
Depth		0.00			0.00			0.00			0.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
8021S (UG/KG) 1,2-DIBROMOETHANE (ETHYLE TERT-BUTYL METHYL ETHER OM31V (UG/KG) CHLOROMETHANE BROMOMETHANE VINYL CHLORIDE CHLOROETHANE METHYLENE CHLORIDE ACETONE	0.62 U	UJ	UJ	S	0.52 U	UJ	R	D	0.52 U	UJ	R	D	
	0.62 U	UJ	UJ	S	0.52 U	UJ	UJ	S	0.52 U	UJ	UJ	S	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	UJ	I	12.00 U	U	R	D	
	27.00	UJ	UJ	B,C	64.00	UJ	J	C,I	140.00	J	C,I	R	D
	12.00 U	U	U		11.00 U	U	UJ	I	12.00 U	U	R	D	
1,1-DICHLOROETHENE 1,1-DICHLOROETHANE TOTAL 1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BU 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE) DIBROMOCHLOROMETHANE 1,1,2-TRICHLOROETHANE BENZENE	12.00 U	U	U		11.00 U	U	UJ	I	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	UJ	I	12.00 U	U	UJ	I	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	
	12.00 U	U	U		11.00 U	U	R	D	12.00 U	U	R	D	

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97
Depth		0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
BROMOFORM	12.00 U	11.00 U	UJ C,I	12.00 U	11.00 U
METHYL ISOBUTYL KETONE (4	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
2-HEXANONE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
TETRACHLOROETHYLENE(PCH	12.00 U	1.00 J	UJ I	12.00 U	11.00 U
1,1,2,2-TETRACHLOROETHANE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
TOLUENE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
CHLOROBENZENE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
ETHYLBENZENE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
STYRENE	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
XYLENES, TOTAL	12.00 U	11.00 U	UJ I	12.00 U	11.00 U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA		
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA		
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97		
Depth	0.00	0.00	0.00	0.00	0.00		
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	
8021S (UG/KG)							
	1,2-DIBROMOETHANE (ETHYLE	0.55 U R D	0.61 U R D	0.58 U R D	0.62 U R S	0.65 U R D	
	TERT-BUTYL METHYL ETHER	0.55 U UJ S	0.61 U UJ S	0.58 U R D	0.62 U UJ S	0.65 U R D	
	OM31V (UG/KG)	CHLOROMETHANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D
		BROMOMETHANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D
		VINYL CHLORIDE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D
		CHLOROETHANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D
		METHYLENE CHLORIDE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D
		ACETONE	41.00 R D	32.00 R D	10.00 J R D	35.00 R D	110.00 R D
	CARBON DISULFIDE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,1-DICHLOROETHENE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,1-DICHLOROETHANE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
TOTAL 1,2-DICHLOROETHENE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
CHLOROFORM		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,2-DICHLOROETHANE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
METHYL ETHYL KETONE (2-BU		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,1,1-TRICHLOROETHANE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
CARBON TETRACHLORIDE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
BROMODICHLOROMETHANE		12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,2-DICHLOROPROPANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D		
	CIS-1,3-DICHLOROPROPENE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
	TRICHLOROETHYLENE (TCE)	2.00 J R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
	DIBROMOCHLOROMETHANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D	
1,1,2-TRICHLOROETHANE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D		
BENZENE	12.00 U R D	12.00 U R D	12.00 U R D	13.00 U R D	14.00 U R D		

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Validated MMR Data for SDGs 1-17, 28-30

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA								
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA								
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97								
Depth		0.00	0.00	0.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL				
OM31V (UG/KG) Continued													
	TRANS-1,3-DICHLOROPROPEN	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	BROMOFORM	12.00 U	U		11.00 U	R	UJ C,I	12.00 U	R	D	11.00 U	R	D
	METHYL ISOBUTYL KETONE (4	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	2-HEXANONE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	TETRACHLOROETHYLENE(PCB	12.00 U	U		1.00 J	R	UJ I	12.00 U	R	D	11.00 U	R	D
	1,1,2,2-TETRACHLOROETHANE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	TOLUENE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	CHLOROBENZENE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	ETHYLBENZENE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	STYRENE	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	XYLENES, TOTAL	12.00 U	U		11.00 U	R	UJ I	12.00 U	R	D	11.00 U	R	D
	8021S (MG/KG)												
	1,2-DIBROMOETHANE (ETHYLE												
TERT-BUTYL METHYL ETHER													

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T:\MMR\IVSNAP9\FB\VCOC.D\B (1434 records) 02/08/98 13:04.3

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA				
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA				
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8021S (UG/KG)									
1,2-DIBROMOETHANE (ETHYLE	0.55 U	R D	R D	0.58 U	R D	R D	0.62 U	R S	R D
TERT-BUTYL METHYL ETHER	0.55 U	UJ S	UJ S	0.58 U	R D	R D	0.62 U	UJ S	R D
OM31V (UG/KG)									
CHLOROMETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
BROMOMETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
VINYL CHLORIDE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
CHLOROETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
METHYLENE CHLORIDE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
ACETONE	41.00	R D	R D	10.00 J	R D	R D	35.00	R D	R D
CARBON DISULFIDE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,1-DICHLOROETHENE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,1-DICHLOROETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
TOTAL 1,2-DICHLOROETHENE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
CHLOROFORM	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,2-DICHLOROETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
METHYL ETHYL KETONE (2-BU	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,1,1-TRICHLOROETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
CARBON TETRACHLORIDE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
BROMODICHLOROMETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,2-DICHLOROPROPANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
CIS-1,3-DICHLOROPROPENE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
TRICHLOROETHYLENE (TCE)	2.00 J	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
DIBROMOCHLOROMETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
1,1,2-TRICHLOROETHANE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D
BENZENE	12.00 U	R D	R D	12.00 U	R D	R D	13.00 U	R D	R D

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL
	REV QUAL	REV QUAL	REV QUAL	REV QUAL	REV QUAL
	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
BROMOFORM	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
METHYL ISOBUTYL KETONE (4	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
2-HEXANONE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
TETRACHLOROETHYLENE(PCE	12.00 U	2.00 J	12.00 U	13.00 U	14.00 U
1,1,2,2-TETRACHLOROETHANE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
TOLUENE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
CHLOROBENZENE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
ETHYLBENZENE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
STYRENE	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
XYLENES, TOTAL	12.00 U	12.00 U	12.00 U	13.00 U	14.00 U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE				0.63 U	
TERT-BUTYL METHYL ETHER				0.62 U	

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/23/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.59 U	R	D	0.59 U	R
TERT-BUTYL METHYL ETHER	0.60 U	R	D	0.59 U	R
OM31V (UG/KG)					
CHLOROMETHANE	12.00 U	R	D	66.00 U	U
BROMOMETHANE	12.00 U	R	D	66.00 U	U
VINYL CHLORIDE	12.00 U	R	D	66.00 U	U
CHLOROETHANE	12.00 U	R	D	66.00 U	U
METHYLENE CHLORIDE	12.00 U	R	D	66.00 U	U
ACETONE	81.00	R	D	64.00 J	U
CARBON DISULFIDE	12.00 U	R	D	66.00 U	U
1,1-DICHLOROETHENE	12.00 U	R	D	66.00 U	U
1,1-DICHLOROETHANE	12.00 U	R	D	66.00 U	U
TOTAL 1,2-DICHLOROETHENE	12.00 U	R	D	66.00 U	U
CHLOROFORM	12.00 U	R	D	66.00 U	U
1,2-DICHLOROETHANE	12.00 U	R	D	66.00 U	U
METHYL ETHYL KETONE (2-BU	12.00 U	R	D	66.00 U	U
1,1,1-TRICHLOROETHANE	12.00 U	R	D	66.00 U	U
CARBON TETRACHLORIDE	12.00 U	R	D	66.00 U	U
BROMODICHLOROMETHANE	12.00 U	R	D	66.00 U	U
1,2-DICHLOROPROPANE	12.00 U	R	D	66.00 U	U
CIS-1,3-DICHLOROPROPENE	12.00 U	R	D	66.00 U	U
TRICHLOROETHYLENE (TCE)	12.00 U	R	D	66.00 U	U
DIBROMOCHLOROMETHANE	12.00 U	R	D	66.00 U	U
1,1,2-TRICHLOROETHANE	12.00 U	R	D	66.00 U	U
BENZENE	12.00 U	R	D	66.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	R D	R D	12.00 U	U
BROMOFORM	12.00 U	R D	R D	12.00 U	U
METHYL ISOBUTYL KETONE (4	12.00 U	R D	R D	12.00 U	U
2-HEXANONE	12.00 U	R D	R D	12.00 U	U
TETRACHLOROETHYLENE(PCH	12.00 U	R D	R D	12.00 U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	R D	R D	12.00 U	U
TOLUENE	12.00 U	R D	R D	12.00 U	U
CHLOROBENZENE	12.00 U	R D	R D	12.00 U	U
ETHYLBENZENE	12.00 U	R D	R D	12.00 U	U
STYRENE	12.00 U	R D	R D	12.00 U	U
XYLENES, TOTAL	12.00 U	R D	R D	12.00 U	U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EAD
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	
Depth	0.00	0.00	0.00	20.00	?
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.54 U	R	D	0.67 U	R D
TERT-BUTYL METHYL ETHER	0.54 U	R	D	0.67 U	R D
OM31V (UG/KG)					
CHLOROMETHANE	11.00 U	U		10.00 U	UJ S
BROMOMETHANE	11.00 U	U		10.00 U	UJ S
VINYL CHLORIDE	11.00 U	U		10.00 U	UJ S
CHLOROETHANE	11.00 U	U		10.00 U	UJ S
METHYLENE CHLORIDE	11.00 U	U		10.00 U	UJ S
ACETONE	28.00	UJ	T	32.00	UJ T,S
CARBON DISULFIDE	11.00 U	U		10.00 U	UJ S
1,1-DICHLOROETHENE	11.00 U	U		10.00 U	UJ S
1,1-DICHLOROETHANE	11.00 U	U		10.00 U	UJ S
TOTAL 1,2-DICHLOROETHENE	11.00 U	U		10.00 U	UJ S
CHLOROFORM	11.00 U	U		10.00 U	UJ S
1,2-DICHLOROETHANE	11.00 U	U		10.00 U	UJ S
METHYL ETHYL KETONE (2-BU	11.00 U	U		10.00 U	UJ S
1,1,1-TRICHLOROETHANE	11.00 U	U	I	10.00 U	UJ S,I
CARBON TETRACHLORIDE	11.00 U	U	I	10.00 U	UJ S,I
BROMODICHLOROMETHANE	11.00 U	U	I	10.00 U	UJ S,I
1,2-DICHLOROPROPANE	11.00 U	U	I	10.00 U	UJ S,I
CIS-1,3-DICHLOROPROPENE	11.00 U	U	I	10.00 U	UJ S,I
TRICHLOROETHYLENE (TCE)	11.00 U	U	I	10.00 U	UJ S,I
DIBROMOCHLOROMETHANE	11.00 U	U	I	10.00 U	UJ S,I
1,1,2-TRICHLOROETHANE	11.00 U	U	I	10.00 U	UJ S,I
BENZENE	11.00 U	U	I	10.00 U	UJ S,I

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA					
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EAD					
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97						
Depth	0.00	0.00	0.00	20.00	?					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE		
OM31V (UG/KG) Continued										
	TRANS-1,3-DICHLOROPROPEN	11.00 U	U		12.00 U	UJ	I	13.00 U	UJ	S,I
	BROMOFORM	11.00 U	U		12.00 U	UJ	I	13.00 U	UJ	S,I
	METHYL ISOBUTYL KETONE (4	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	2-HEXANONE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	TETRACHLOROETHYLENE(PCB	11.00 U	UJ	I	12.00 U	UJ	I	2.00 J	R	S,I
	1,1,2,2-TETRACHLOROETHANE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	TOLUENE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	CHLOROBENZENE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	ETHYLBENZENE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	STYRENE	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	XYLENES, TOTAL	11.00 U	UJ	I	12.00 U	UJ	I	13.00 U	R	I
	8021S (MG/KG)									
1,2-DIBROMOETHANE (ETHYLE										
TERT-BUTYL METHYL ETHER										

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
</					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	14.00 U	U		13.00 U	R D
BROMOFORM	14.00 U	U		13.00 U	R D
METHYL ISOBUTYL KETONE (4	14.00 U	U		13.00 U	R D
2-HEXANONE	14.00 U	UJ I		13.00 U	R D
TETRACHLOROETHYLENE(PCB	14.00 U	UJ I		13.00 U	R D
1,1,2,2-TETRACHLOROETHANE	14.00 U	UJ I		13.00 U	R D
TOLUENE	1.00 J	J I		13.00 U	R D
CHLOROBENZENE	14.00 U	UJ I		13.00 U	R D
ETHYLBENZENE	14.00 U	UJ I		13.00 U	R D
STYRENE	14.00 U	UJ I		13.00 U	R D
XYLENES, TOTAL	14.00 U	UJ I		13.00 U	R D
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA					
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA					
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97					
Depth										
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE		
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	2.40 U	UJ S	U		0.60 U	R D	D	0.59 U	UJ C
	TERT-BUTYL METHYL ETHER	2.40 U	UJ S	U		0.60 U	R D	U	0.59 U	UJ C
	OM31V (UG/KG)									
	CHLOROMETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	BROMOMETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	VINYL CHLORIDE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	CHLOROETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	METHYLENE CHLORIDE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	ACETONE	17.00	UJ B	UJ	B	12.00 J	U B	U	12.00 U	U
	CARBON DISULFIDE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
1,1-DICHLOROETHENE	1,1-DICHLOROETHENE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	1,1-DICHLOROETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	TOTAL 1,2-DICHLOROETHENE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	CHLOROFORM	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	1,2-DICHLOROETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	METHYL ETHYL KETONE (2-BU	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	1,1,1-TRICHLOROETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	CARBON TETRACHLORIDE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	BROMODICHLOROMETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	1,2-DICHLOROPROPANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROPENE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	TRICHLOROETHYLENE (TCE)	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	DIBROMOCHLOROMETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	1,1,2-TRICHLOROETHANE	12.00 U	U	U		12.00 U	U	U	12.00 U	U
	BENZENE	12.00 U	U	U		12.00 U	U	U	12.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA				
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA				
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31V (UG/KG) Continued									
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
BROMOFORM	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
METHYL ISOBUTYL KETONE (4	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
2-HEXANONE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TETRACHLOROETHYLENE(PCB	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TOLUENE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
CHLOROBENZENE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
ETHYLBENZENE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
STYRENE	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
XYLENES, TOTAL	12.00 U	U	U	12.00 U	U	U	12.00 U	U	U
8021S (MG/KG)									
1,2-DIBROMOETHANE (ETHYLE									
TERT-BUTYL METHYL ETHER									

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.57 U	R D			
TERT-BUTYL METHYL ETHER	0.56 U	R D			
OM31V (UG/KG)					
CHLOROMETHANE	11.00 U	U			
BROMOMETHANE	11.00 U	U			
VINYL CHLORIDE	11.00 U	U			
CHLOROETHANE	11.00 U	U			
METHYLENE CHLORIDE	11.00 U	U			
ACETONE	11.00 U	U			
CARBON DISULFIDE	11.00 U	U			
1,1-DICHLOROETHENE	11.00 U	U			
1,1-DICHLOROETHANE	11.00 U	U			
TOTAL 1,2-DICHLOROETHENE	11.00 U	U			
CHLOROFORM	11.00 U	U			
1,2-DICHLOROETHANE	11.00 U	U			
METHYL ETHYL KETONE (2-BU	11.00 U	U			
1,1,1-TRICHLOROETHANE	11.00 U	U			
CARBON TETRACHLORIDE	11.00 U	U			
BROMODICHLOROMETHANE	11.00 U	U			
1,2-DICHLOROPROPANE	11.00 U	U			
CIS-1,3-DICHLOROPROPENE	11.00 U	U			
TRICHLOROETHYLENE (TCE)	11.00 U	U			
DIBROMOCHLOROMETHANE	11.00 U	U			
1,1,2-TRICHLOROETHANE	11.00 U	U			
BENZENE	11.00 U	U			

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD							
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD							
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97							
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31V (UG/KG) Continued												
TRANS-1,3-DICHLOROPROPEN	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
BROMOFORM	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
METHYL ISOBUTYL KETONE (4	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
2-HEXANONE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
TETRACHLOROETHYLENE(PCB	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
TOLUENE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
CHLOROBENZENE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
ETHYLBENZENE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
STYRENE	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
XYLENES, TOTAL	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U	11.00 U	U	U
8021S (MG/KG)												
1,2-DIBROMOETHANE (ETHYLE												
TERT-BUTYL METHYL ETHER												

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	BOPAAA	BOPBAA	S00DAAAa	S01DAA	S01DAD				
OGDEN ID	BOPAAA	BOPBAA	S00DAA	S01DAA	S01DAD				
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97				
Depth			0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8021S (UG/KG)									
	0.56 U	R D		0.59 U	UJ C,S		0.57 U	UJ S	
1,2-DIBROMOETHANE (ETHYLE									
TERT-BUTYL METHYL ETHER	0.56 U	R D		0.56 U	UJ C,S		0.57 U	UJ S	
OM31V (UG/KG)									
CHLOROMETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
BROMOMETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
VINYL CHLORIDE	11.00 U	R D		11.00 U	U		11.00 U	U	
CHLOROETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
METHYLENE CHLORIDE	11.00 U	R D		11.00 U	U		11.00 U	U	
ACETONE	11.00 U	R D		17.00	UJ B		11.00 J	UJ B,C	
CARBON DISULFIDE	11.00 U	R D		11.00 U	U		11.00 U	U	
1,1-DICHLOROETHENE	11.00 U	R D		11.00 U	U		11.00 U	U	
1,1-DICHLOROETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
TOTAL 1,2-DICHLOROETHENE	11.00 U	R D		11.00 U	U		11.00 U	U	
CHLOROFORM	11.00 U	R D		11.00 U	U		11.00 U	U	
1,2-DICHLOROETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
METHYL ETHYL KETONE (2-BU	11.00 U	R D		11.00 U	U		11.00 U	U	
1,1,1-TRICHLOROETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
CARBON TETRACHLORIDE	11.00 U	R D		11.00 U	U		11.00 U	U	
BROMODICHLOROMETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
1,2-DICHLOROPROPANE	11.00 U	R D		11.00 U	U		11.00 U	U	
CIS-1,3-DICHLOROPROPENE	11.00 U	R D		11.00 U	U		11.00 U	U	
TRICHLOROETHYLENE (TCE)	2.00 J	R D		11.00 U	U		11.00 U	U	
DIBROMOCHLOROMETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
1,1,2-TRICHLOROETHANE	11.00 U	R D		11.00 U	U		11.00 U	U	
BENZENE	11.00 U	R D		11.00 U	U		11.00 U	U	

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
OGDEN ID	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97
Depth			0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	11.00 U	R D	U	11.00 U	U
BROMOFORM	11.00 U	R D	U	11.00 U	U
METHYL ISOBUTYL KETONE (4	11.00 U	R D	U	11.00 U	U
2-HEXANONE	11.00 U	R D	U	11.00 U	U
TETRACHLOROETHYLENE(PCH	11.00 U	R D	U	11.00 U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	R D	U	11.00 U	U
TOLUENE	11.00 U	R D	U	11.00 U	U
CHLOROBENZENE	11.00 U	R D	U	11.00 U	U
ETHYLBENZENE	11.00 U	R D	U	11.00 U	U
STYRENE	11.00 U	R D	U	11.00 U	U
XYLENES, TOTAL	11.00 U	R D	U	11.00 U	U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
OGDEN ID	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
Date Sampled	8/20/97	8/21/97	8/21/97	8/20/97	8/20/97
Depth	10.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
	RESULT	CODE	CODE	RESULT	CODE
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.51 U	U	UJ	0.74 U	UJ S
TERT-BUTYL METHYL ETHER	0.51 U	U	U	0.74 U	UJ S
OM31V (UG/KG)					
CHLOROMETHANE	10.00 U	U	U	14.00 U	U
BROMOMETHANE	10.00 U	U	U	14.00 U	U
VINYL CHLORIDE	10.00 U	U	U	14.00 U	U
CHLOROETHANE	10.00 U	U	U	14.00 U	U
METHYLENE CHLORIDE	10.00 U	U	U	14.00 U	U
ACETONE	10.00 J	UJ	UJ	14.00 U	U
CARBON DISULFIDE	10.00 U	U	U	21.00	UJ B,C
1,1-DICHLOROETHENE	10.00 U	U	U	14.00 U	U
1,1-DICHLOROETHANE	10.00 U	U	U	14.00 U	U
TOTAL 1,2-DICHLOROETHENE	10.00 U	U	U	14.00 U	U
CHLOROFORM	10.00 U	U	U	14.00 U	U
1,2-DICHLOROETHANE	10.00 U	U	U	14.00 U	U
METHYL ETHYL KETONE (2-BU	10.00 U	U	U	14.00 U	U
1,1,1-TRICHLOROETHANE	10.00 U	U	UJ	14.00 U	U
CARBON TETRACHLORIDE	10.00 U	U	UJ	14.00 U	U
BROMODICHLOROMETHANE	10.00 U	U	UJ	14.00 U	U
1,2-DICHLOROPROPANE	10.00 U	U	UJ	14.00 U	U
CIS-1,3-DICHLOROPROPENE	10.00 U	U	UJ	14.00 U	U
TRICHLOROETHYLENE (TCE)	10.00 U	U	UJ	14.00 U	U
DIBROMOCHLOROMETHANE	10.00 U	U	UJ	14.00 U	U
1,1,2-TRICHLOROETHANE	10.00 U	U	UJ	14.00 U	U
BENZENE	10.00 U	U	UJ	14.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
OGDEN ID	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
Date Sampled	8/20/97	8/21/97	8/21/97	8/20/97	8/20/97
Depth	10.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	10.00 U	U	UJ I	12.00 U	UJ I
BROMOFORM	10.00 U	U	UJ I	12.00 U	UJ I
METHYL ISOBUTYL KETONE (4	10.00 U	U	UJ I	12.00 U	UJ I
2-HEXANONE	10.00 U	U	UJ C,I	12.00 U	UJ C,I
TETRACHLOROETHYLENE(PCH	10.00 U	U	UJ I	12.00 U	UJ I
1,1,2,2-TETRACHLOROETHANE	10.00 U	U	UJ I	12.00 U	UJ I
TOLUENE	10.00 U	U	UJ I	12.00 U	UJ I
CHLOROBENZENE	10.00 U	U	UJ I	12.00 U	UJ I
ETHYLBENZENE	10.00 U	U	UJ I	12.00 U	UJ I
STYRENE	10.00 U	U	UJ I	12.00 U	UJ I
XYLENES, TOTAL	10.00 U	U	UJ I	12.00 U	UJ I
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA			
OGDEN ID	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA			
Date Sampled	8/13/97	8/13/97	8/14/97	8/14/97	8/14/97			
Depth	0.00	0.00	10.00	30.00	40.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8021S (UG/KG)								
	1,2-DIBROMOETHANE (ETHYLE	0.57 U	R	D				
OM31V (UG/KG)								
	TERT-BUTYL METHYL ETHER	0.57 U	R	D				
CHLOROMETHANE	12.00 U	U	U					
BROMOMETHANE	12.00 U	U	U					
VINYL CHLORIDE	12.00 U	U	U					
CHLOROETHANE	12.00 U	U	U					
METHYLENE CHLORIDE	12.00 U	U	U					
ACETONE	12.00 J	U	B					
CARBON DISULFIDE	12.00 U	U	U					
1,1-DICHLOROETHENE	12.00 U	U	U					
1,1-DICHLOROETHANE	12.00 U	U	U					
TOTAL 1,2-DICHLOROETHENE	12.00 U	U	U					
CHLOROFORM	12.00 U	U	U					
1,2-DICHLOROETHANE	12.00 U	U	U					
METHYL ETHYL KETONE (2-BU	12.00 U	U	U					
1,1,1-TRICHLOROETHANE	12.00 U	U	U					
CARBON TETRACHLORIDE	12.00 U	U	U					
BROMODICHLOROMETHANE	12.00 U	U	U					
1,2-DICHLOROPROPANE	12.00 U	U	U					
CIS-1,3-DICHLOROPROPENE	12.00 U	U	U					
TRICHLOROETHYLENE (TCE)	12.00 U	U	U					
DIBROMOCHLOROMETHANE	12.00 U	U	U					
1,1,2-TRICHLOROETHANE	12.00 U	U	U					
BENZENE	12.00 U	U	U					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA
OGDEN ID	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA
Date Sampled	8/13/97	8/13/97	8/14/97	8/14/97	8/14/97
Depth	0.00	0.00	10.00	30.00	40.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	12.00 U	10.00 U	U
BROMOFORM	12.00 U	U	12.00 U	10.00 U	U
METHYL ISOBUTYL KETONE (4	12.00 U	U	12.00 U	10.00 U	U
2-HEXANONE	12.00 U	U	12.00 U	10.00 U	U
TETRACHLOROETHYLENE(PCB	12.00 U	U	12.00 U	10.00 U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	U	12.00 U	10.00 U	U
TOLUENE	12.00 U	U	12.00 U	10.00 U	U
CHLOROBENZENE	12.00 U	U	12.00 U	10.00 U	U
ETHYLBENZENE	12.00 U	U	12.00 U	10.00 U	U
STYRENE	12.00 U	U	12.00 U	10.00 U	U
XYLENES, TOTAL	12.00 U	U	12.00 U	10.00 U	U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA							
OGDEN ID	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA							
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/15/97							
Depth	50.00	60.00	110.00	120.00	130.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8021S (UG/KG)												
	1,2-DIBROMOETHANE (ETHYLE	0.52 U	U							0.53 U	U	
	TERT-BUTYL METHYL ETHER	0.52 U	U							0.53 U	U	
OM31V (UG/KG)	CHLOROMETHANE	11.00 U	U							10.00 U	U	
	BROMOMETHANE	11.00 U	U							10.00 U	U	
	VINYL CHLORIDE	11.00 U	U							10.00 U	U	
	CHLOROETHANE	11.00 U	U							10.00 U	U	
	METHYLENE CHLORIDE	11.00 U	U							10.00 U	U	
	ACETONE	15.00 B	UJ	B						11.00 B	UJ	B
	CARBON DISULFIDE	11.00 U	U							10.00 U	U	
	1,1-DICHLOROETHENE	11.00 U	U							10.00 U	U	
	1,1-DICHLOROETHANE	11.00 U	U							10.00 U	U	
	TOTAL 1,2-DICHLOROETHENE	11.00 U	U							10.00 U	U	
	CHLOROFORM	11.00 U	U							10.00 U	U	
	1,2-DICHLOROETHANE	11.00 U	U							10.00 U	U	
	METHYL ETHYL KETONE (2-BU	11.00 U	U							10.00 U	U	
	1,1,1-TRICHLOROETHANE	11.00 U	U							10.00 U	U	
	CARBON TETRACHLORIDE	11.00 U	U							10.00 U	U	
BROMODICHLOROMETHANE	11.00 U	U							10.00 U	U		
1,2-DICHLOROPROPANE	11.00 U	U							10.00 U	U		
CIS-1,3-DICHLOROPROPENE	11.00 U	U							10.00 U	U		
TRICHLOROETHYLENE (TCE)	11.00 U	U							10.00 U	U		
DIBROMOCHLOROMETHANE	11.00 U	U							10.00 U	U		
1,1,2-TRICHLOROETHANE	11.00 U	U							10.00 U	U		
BENZENE	11.00 U	U							10.00 U	U		

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA							
OGDEN ID	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA							
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/15/97							
Depth	50.00	60.00	110.00	120.00	130.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG) Continued	TRANS-1,3-DICHLOROPROPEN	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	BROMOFORM	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	METHYL ISOBUTYL KETONE (4	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	2-HEXANONE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	TETRACHLOROETHYLENE(PCH	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	TOLUENE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	CHLOROBENZENE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	ETHYLBENZENE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	STYRENE	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	XYLENES, TOTAL	11.00 U	U	U	10.00 U	U	U	10.00 U	U	10.00 U	U	U
	8021S (MG/KG)											
1,2-DIBROMOETHANE (ETHYLE												
TERT-BUTYL METHYL ETHER												

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA									
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA									
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97									
Depth	0.00	0.00	0.00	0.00	0.00									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE		
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.59 U	UJ	C,S	0.61 U	UJ	C,S	0.66 U	UJ	C,S	0.66 U	UJ	C,S	
	TERT-BUTYL METHYL ETHER	0.59 U	UJ	S	0.61 U	UJ	S	0.66 U	UJ	S	0.66 U	UJ	S	
	OM31V (UG/KG)													
	CHLOROMETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	BROMOMETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	VINYL CHLORIDE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	CHLOROETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	METHYLENE CHLORIDE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	ACETONE	23.00	R	D	B,C	78.00	UJ	B,C	14.00 J	UJ	B,C	13.00 J	UJ	B,C
	CARBON DISULFIDE	12.00 U	R	D		12.00 U	U		14.00 U	U		13.00 U	U	
1,1-DICHLOROETHENE	1,1-DICHLOROETHENE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	1,1-DICHLOROETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	TOTAL 1,2-DICHLOROETHENE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	CHLOROFORM	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	1,2-DICHLOROETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	METHYL ETHYL KETONE (2-BU	12.00 U	R	D		12.00 U	U		14.00 U	UJ	C	13.00 U	U	
	1,1,1-TRICHLOROETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	CARBON TETRACHLORIDE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	BROMODICHLOROMETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	1,2-DICHLOROPROPANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROPENE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	TRICHLOROETHYLENE (TCE)	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	DIBROMOCHLOROMETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	1,1,2-TRICHLOROETHANE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		
	BENZENE	12.00 U	R	D	12.00 U	U		14.00 U	U		13.00 U	U		

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA								
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA								
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97								
Depth	0.00	0.00	0.00	0.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE				
OM31V (UG/KG) Continued													
TRANS-1,3-DICHLOROPROPEN	12.00 U	R D		12.00 U	U		14.00 U	U		13.00 U	U	11.00 U	U
BROMOFORM	12.00 U	R D		12.00 U	U		14.00 U	U		13.00 U	U	11.00 U	U
METHYL ISOBUTYL KETONE (4	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
2-HEXANONE	12.00 U	R D		12.00 U	UJ I		14.00 U	UJ C		13.00 U	UJ C	11.00 U	U
TETRACHLOROETHYLENE(PCB	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
TOLUENE	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
CHLOROBENZENE	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
ETHYLBENZENE	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
STYRENE	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
XYLENES, TOTAL	12.00 U	R D		12.00 U	UJ I		14.00 U	U		13.00 U	U	11.00 U	U
8021S (MG/KG)													
1,2-DIBROMOETHANE (ETHYLE													
TERT-BUTYL METHYL ETHER													

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EPA NO	S07DAD	S07DCA			S08DAA	S08DAD	S09DAA	
OGDEN ID	S07DAD	S07DCA			S08DAA	S08DAD	S09DAA	
Date Sampled	7/29/97	7/29/97			8/21/97	8/21/97	8/21/97	
Depth	0.00	10.00			0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.57 U	U		0.68 U	UJ	C,S	
	TERT-BUTYL METHYL ETHER	0.57 U	U		0.68 U	UJ	S	
	OM31V (UG/KG)							
	CHLOROMETHANE	12.00 U	U		14.00 U	R	D	
	BROMOMETHANE	12.00 U	U		14.00 U	R	D	
	VINYL CHLORIDE	12.00 U	U		14.00 U	R	D	
	CHLOROETHANE	12.00 U	U		14.00 U	R	D	
	METHYLENE CHLORIDE	12.00 U	U		14.00 U	R	D	
	ACETONE	12.00 J	UJ	B,C	23.00	R	D	
	CARBON DISULFIDE	12.00 U	U		14.00 U	R	D	
	1,1-DICHLOROETHENE	12.00 U	U		14.00 U	R	D	
	1,1-DICHLOROETHANE	12.00 U	U		14.00 U	R	D	
	TOTAL 1,2-DICHLOROETHENE	12.00 U	U		14.00 U	R	D	
	CHLOROFORM	12.00 U	U		14.00 U	R	D	
	1,2-DICHLOROETHANE	12.00 U	UJ	C	14.00 U	R	D	
	METHYL ETHYL KETONE (2-BU	12.00 U	U		14.00 U	R	D	
	1,1,1-TRICHLOROETHANE	12.00 U	U		14.00 U	R	D	
	CARBON TETRACHLORIDE	12.00 U	U		14.00 U	R	D	
	BROMODICHLOROMETHANE	12.00 U	U		14.00 U	R	D	
	1,2-DICHLOROPROPANE	12.00 U	U		14.00 U	R	D	
	CIS-1,3-DICHLOROPROPENE	12.00 U	U		14.00 U	R	D	
	TRICHLOROETHYLENE (TCE)	12.00 U	U		14.00 U	R	D	
	DIBROMOCHLOROMETHANE	12.00 U	U		14.00 U	R	D	
	1,1,2-TRICHLOROETHANE	12.00 U	U		14.00 U	R	D	
	BENZENE	12.00 U	U		14.00 U	R	D	

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA						
OGDEN ID	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA						
Date Sampled	7/29/97	7/29/97	8/21/97	8/21/97	8/21/97						
Depth	0.00	10.00	0.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL		
OM31V (UG/KG) Continued											
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
BROMOFORM	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
METHYL ISOBUTYL KETONE (4	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
2-HEXANONE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	UJ	11.00 U	U
TETRACHLOROETHYLENE(PCB	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
TOLUENE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
CHLOROBENZENE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
ETHYLBENZENE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
STYRENE	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
XYLENES, TOTAL	12.00 U	U	U	10.00 U	14.00 U	R	D	14.00 U	U	11.00 U	U
8021S (MG/KG)											
1,2-DIBROMOETHANE (ETHYLE											
TERT-BUTYL METHYL ETHER											

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
OGDEN ID	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
Date Sampled	8/21/97	8/1/97	8/8/97	8/8/97	8/8/97
Depth	0.00	120.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.56 U	UJ	C,S	
	TERT-BUTYL METHYL ETHER	0.56 U	U		
	OM31V (UG/KG)				
	CHLOROMETHANE	11.00 U	U		
	BROMOMETHANE	11.00 U	U		
	VINYL CHLORIDE	11.00 U	U		
	CHLOROETHANE	11.00 U	U		
	METHYLENE CHLORIDE	1.00 J	J		
	ACETONE	11.00 J	U	B	
	CARBON DISULFIDE	11.00 U	U		
8021S (UG/KG)	1,1-DICHLOROETHENE	11.00 U	U		
	1,1-DICHLOROETHANE	11.00 U	U		
	TOTAL 1,2-DICHLOROETHENE	11.00 U	U		
	CHLOROFORM	11.00 U	U		
	1,2-DICHLOROETHANE	11.00 U	U		
	METHYL ETHYL KETONE (2-BU	11.00 U	U		
	1,1,1-TRICHLOROETHANE	11.00 U	U		
	CARBON TETRACHLORIDE	11.00 U	U		
	BROMODICHLOROMETHANE	11.00 U	U		
	1,2-DICHLOROPROPANE	11.00 U	U		
8021S (UG/KG)	CIS-1,3-DICHLOROPROPENE	11.00 U	U		
	TRICHLOROETHYLENE (TCE)	1.00 J	J		
	DIBROMOCHLOROMETHANE	11.00 U	U		
	1,1,2-TRICHLOROETHANE	11.00 U	U		
	BENZENE	11.00 U	U		

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA			
OGDEN ID	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA			
Date Sampled	8/21/97	8/1/97	8/8/97	8/8/97	8/8/97			
Depth	0.00	120.00	0.00	0.00	10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31V (UG/KG) Continued								
TRANS-1,3-DICHLOROPROPEN	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
BROMOFORM	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
METHYL ISOBUTYL KETONE (4	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
2-HEXANONE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
TETRACHLOROETHYLENE(PCB	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
1,1,2,2-TETRACHLOROETHANE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
TOLUENE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
CHLOROBENZENE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
ETHYL BENZENE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
STYRENE	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
XYLENES, TOTAL	11.00 U	10.00 U	U		11.00 U	10.00 U	U	
8021S (MG/KG)								
1,2-DIBROMOETHANE (ETHYLE								
TERT-BUTYL METHYL ETHER								

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Validated MMR Data for SDGs 1-17, 28-30

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	SIIDEA	SIIDFA	SIIDGA	SIIDHA	SIIDIA
OGDEN ID	SIIDEA	SIIDFA	SIIDGA	SIIDHA	SIIDIA
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97
Depth	30.00	40.00	50.00	60.00	70.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.51 U	U			
TERT-BUTYL METHYL ETHER	0.51 U	U			
OM31V (UG/KG)					
CHLOROMETHANE	10.00 U	U			
BROMOMETHANE	10.00 U	U			
VINYL CHLORIDE	10.00 U	U			
CHLOROETHANE	10.00 U	U			
METHYLENE CHLORIDE	10.00 U	U			
ACETONE	10.00 J	U			
CARBON DISULFIDE	10.00 U	U			
1,1-DICHLOROETHENE	10.00 U	U			
1,1-DICHLOROETHANE	10.00 U	U			
TOTAL 1,2-DICHLOROETHENE	10.00 U	U			
CHLOROFORM	10.00 U	U			
1,2-DICHLOROETHANE	10.00 U	U			
METHYL ETHYL KETONE (2-BU	10.00 U	U			
1,1,1-TRICHLOROETHANE	10.00 U	U			
CARBON TETRACHLORIDE	10.00 U	U			
BROMODICHLOROMETHANE	10.00 U	U			
1,2-DICHLOROPROPANE	10.00 U	U			
CIS-1,3-DICHLOROPROPENE	10.00 U	U			
TRICHLOROETHYLENE (TCE)	10.00 U	U			
DIBROMOCHLOROMETHANE	10.00 U	U			
1,1,2-TRICHLOROETHANE	10.00 U	U			
BENZENE	10.00 U	U			

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	SI1IDEA	SI1IDFA	SI1IDGA	SI1IDHA	SI1IDIA							
OGDEN ID	SI1IDEA	SI1IDFA	SI1IDGA	SI1IDHA	SI1IDIA							
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97							
Depth	30.00	40.00	50.00	60.00	70.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31V (UG/KG) Continued												
TRANS-1,3-DICHLOROPROPEN	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
BROMOFORM	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
METHYL ISOBUTYL KETONE (4	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
2-HEXANONE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
TETRACHLOROETHYLENE(PCB	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
1,1,2,2-TETRACHLOROETHANE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
TOLUENE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
CHLOROBENZENE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
ETHYLBENZENE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
STYRENE	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
XYLENES, TOTAL	10.00	U	U	10.00	U	U	10.00	U	U	10.00	U	U
8021S (MG/KG)												
1,2-DIBROMOETHANE (ETHYLE												
TERT-BUTYL METHYL ETHER												

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA									
OGDEN ID	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA									
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97									
Depth	90.00	100.00	110.00	120.00	130.00									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE						
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.52 U	U			0.52 U	U			0.57 U	U			
	TERT-BUTYL METHYL ETHER	0.52 U	U			0.52 U	U			0.57 U	U			
	OM31V (UG/KG)	CHLOROMETHANE	10.00 U	U			10.00 U	U			12.00 U	U		
		BROMOMETHANE	10.00 U	UJ		C	10.00 U	UJ		C	12.00 U	UJ		C
		VINYL CHLORIDE	10.00 U	U			10.00 U	U			12.00 U	U		
		CHLOROETHANE	10.00 U	U			10.00 U	U			12.00 U	U		
		METHYLENE CHLORIDE	10.00 U	U			10.00 U	U			12.00 U	U		
		ACETONE	10.00 J	U		B	10.00 J	U		B	12.00 J	U		B
		CARBON DISULFIDE	10.00 U	U			10.00 U	U			12.00 U	U		
		1,1-DICHLOROETHENE	10.00 U	U			10.00 U	U			12.00 U	U		
1,1-DICHLOROETHANE	10.00 U	U			10.00 U	U			12.00 U	U				
TOTAL 1,2-DICHLOROETHENE	10.00 U	U			10.00 U	U			12.00 U	U				
CHLOROFORM	10.00 U	U			10.00 U	U			12.00 U	U				
1,2-DICHLOROETHANE	10.00 U	UJ		C	10.00 U	UJ		C	12.00 U	UJ		C		
METHYL ETHYL KETONE (2-BU	10.00 U	U			10.00 U	U			12.00 U	U				
1,1,1-TRICHLOROETHANE	10.00 U	U			10.00 U	U			12.00 U	U				
CARBON TETRACHLORIDE	10.00 U	U			10.00 U	U			12.00 U	U				
BROMODICHLOROMETHANE	10.00 U	U			10.00 U	U			12.00 U	U				
1,2-DICHLOROPROPANE	10.00 U	U			10.00 U	U			12.00 U	U				
CIS-1,3-DICHLOROPROPENE	10.00 U	U			10.00 U	U			12.00 U	U				
TRICHLOROETHYLENE (TCE)	10.00 U	U			10.00 U	U			12.00 U	U				
DIBROMOCHLOROMETHANE	10.00 U	U			10.00 U	U			12.00 U	U				
1,1,2-TRICHLOROETHANE	10.00 U	U			10.00 U	U			12.00 U	U				
BENZENE	10.00 U	U			10.00 U	U			12.00 U	U				

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S11DKA	S11DLA	S11DMA	S11DNA	S11DOA			
OGDEN ID	S11DKA	S11DLA	S11DMA	S11DNA	S11DOA			
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97			
Depth	90.00	100.00	110.00	120.00	130.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31V (UG/KG) Continued								
TRANS-1,3-DICHLOROPROPEN	10.00 U	U	U	U	10.00 U	U	U	U
BROMOFORM	10.00 U	U	U	U	10.00 U	U	U	U
METHYL ISOBUTYL KETONE (4	10.00 U	U	U	U	10.00 U	U	U	U
2-HEXANONE	10.00 U	U	U	U	10.00 U	U	U	U
TETRACHLOROETHYLENE(PCH	10.00 U	U	U	U	10.00 U	U	U	U
1,1,2,2-TETRACHLOROETHANE	10.00 U	U	U	U	10.00 U	U	U	U
TOLUENE	10.00 U	U	U	U	10.00 U	U	U	U
CHLOROBENZENE	10.00 U	U	U	U	10.00 U	U	U	U
ETHYLBENZENE	10.00 U	U	U	U	10.00 U	U	U	U
STYRENE	10.00 U	U	U	U	10.00 U	U	U	U
XYLENES, TOTAL	10.00 U	U	U	U	10.00 U	U	U	U
8021S (MG/KG)								
1,2-DIBROMOETHANE (ETHYLE								
TERT-BUTYL METHYL ETHER								

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Group D: Soil Data for Methods 8021S and OM31V

FPA NO	S12DAA	S12DAR	S12DCA	S14DAA	S14DAD			
OGDEN ID	S12DAA	S12DAR	S12DCA	S14DAA	S14DAD			
Date Sampled	8/5/97	8/20/97	8/6/97	7/29/97	7/29/97			
Depth	0.00	0.00	10.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8021S (UG/KG) 1,2-DIBROMOETHANE (ETHYLE TERT-BUTYL METHYL ETHER OM31V (UG/KG) CHLOROMETHANE BROMOMETHANE VINYL CHLORIDE CHLOROETHANE METHYLENE CHLORIDE ACETONE CARBON DISULFIDE 1,1-DICHLOROETHENE 1,1-DICHLOROETHANE TOTAL 1,2-DICHLOROETHENE CHLOROFORM 1,2-DICHLOROETHANE METHYL ETHYL KETONE (2-BU 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE (TCE) DIBROMOCHLOROMETHANE 1,1,2-TRICHLOROETHANE BENZENE	0.56 U	U				0.60 U	U	
	0.56 U	U				0.60 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 J	U				12.00 J	UJ	B,C
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	UJ	C
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	
	11.00 U	U				12.00 U	U	

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Group D: Soil Data for Methods 8021S and OM31V

PA NO	S12DAA	S12DAR	S12DCA	S14DAA	S14DAD						
GDEN ID	S12DAA	S12DAR	S12DCA	S14DAA	S14DAD						
Date Sampled	8/5/97	8/20/97	8/6/97	7/29/97	7/29/97						
Depth	0.00	0.00	10.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE		
M31V (UG/KG) Continued											
TRANS-1,3-DICHLOROPROPEN	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
BROMOFORM	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
METHYL ISOBUTYL KETONE (4	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
2-HEXANONE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
TETRACHLOROETHYLENE(PCB	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
TOLUENE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
CHLOROBENZENE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
ETHYLBENZENE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
STYRENE	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
XYLENES, TOTAL	11.00 U	U	U	11.00 U	U	U	10.00 U	U	U	12.00 U	U
021S (MG/KG)											
1,2-DIBROMOETHANE (ETHYLH											
TERT-BUTYL METHYL ETHER											

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S14DCA	S15DAA	S15DAD	S15DCA	S15DDA				
OGDEN ID	S14DCA	S15DAA	S15DAD	S15DCA	S15DDA				
Date Sampled	7/21/97	8/21/97	8/21/97	8/28/97	8/28/97				
Depth	10.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.51 U	UJ C				0.52 U	U	U
	TERT-BUTYL METHYL ETHER	0.51 U	UJ C				0.52 U	UJ C	UJ C
	OM31V (UG/KG)								
	CHLOROMETHANE	10.00 U	U				10.00 U	U	U
	BROMOMETHANE	10.00 U	U				10.00 U	U	U
	VINYL CHLORIDE	10.00 U	U				10.00 U	U	U
	CHLOROETHANE	10.00 U	U				10.00 U	U	U
	METHYLENE CHLORIDE	10.00 U	U				10.00 U	U	U
	ACETONE	10.00 J	UJ B,C				10.00 BJ	UJ B,C	UJ B,C
	CARBON DISULFIDE	10.00 U	U				10.00 U	U	U
1,1-DICHLOROETHENE	1,1-DICHLOROETHENE	10.00 U	U				1.00 J	J	J
	1,1-DICHLOROETHANE	10.00 U	U				10.00 U	U	U
	TOTAL 1,2-DICHLOROETHENE	10.00 U	U				10.00 U	U	U
	CHLOROFORM	10.00 U	U				10.00 U	U	U
	1,2-DICHLOROETHANE	10.00 U	U				10.00 U	U	U
	METHYL ETHYL KETONE (2-BU	10.00 U	U				10.00 U	U	U
	1,1,1-TRICHLOROETHANE	10.00 U	U				10.00 U	U	U
	CARBON TETRACHLORIDE	10.00 U	U				10.00 U	U	U
	BROMODICHLOROMETHANE	10.00 U	U				10.00 U	U	U
	1,2-DICHLOROPROPANE	10.00 U	U				10.00 U	U	U
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROPENE	10.00 U	U				10.00 U	U	U
	TRICHLOROETHYLENE (TCE)	10.00 U	U				1.00 J	J	U
	DIBROMOCHLOROMETHANE	10.00 U	U				10.00 U	U	U
	1,1,2-TRICHLOROETHANE	10.00 U	U				10.00 U	U	U
	BENZENE	10.00 U	U				1.00 J	J	J

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S14DCA	S15DAA	S15DAD	S15DCA	S15DDA				
OGDEN ID	S14DCA	S15DAA	S15DAD	S15DCA	S15DDA				
Date Sampled	7/21/97	8/21/97	8/21/97	8/28/97	8/28/97				
Depth	10.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG) Continued									
TRANS-1,3-DICHLOROPROPEN	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
BROMOFORM	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
METHYL ISOBUTYL KETONE (4	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
2-HEXANONE	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
TETRACHLOROETHYLENE(PCB	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	10.00 U	U	U	11.00 U	U	U	10.00 U	U	F
TOLUENE	10.00 U	U	U	11.00 U	U	U	1.00 J	J	J
CHLOROBENZENE	10.00 U	U	U	11.00 U	U	U	1.00 J	J	J
ETHYLBENZENE	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
STYRENE	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
XYLENES, TOTAL	10.00 U	U	U	11.00 U	U	U	10.00 U	U	U
8021S (MG/KG)									
1,2-DIBROMOETHANE (ETHYLE									
TERT-BUTYL METHYL ETHER									

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Validated MMR Data for SDGs 1-17, 28-30

Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S16DAA	S16DAD	S16DCA	S17DAA	S17DBA					
OGDEN ID	S16DAA	S16DAD	S16DCA	S17DAA	S17DBA					
Date Sampled	8/20/97	8/20/97	8/13/97	8/12/97	8/12/97					
Depth	0.00	0.00	10.00	0.00	1.50					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
8021S (UG/KG)	1,2-DIBROMOETHANE (ETHYLE	0.57 U	UJ	C						
	TERT-BUTYL METHYL ETHER	0.57 U	U		0.56 U	UJ S	U	0.53 U	U	
	OM31V (UG/KG)	CHLOROMETHANE	11.00 U	U		11.00 U	U	U	10.00 U	U
		BROMOMETHANE	11.00 U	U		11.00 U	UJ	UJ	10.00 U	UJ
		VINYL CHLORIDE	11.00 U	U		11.00 U	U	U	10.00 U	U
		CHLOROETHANE	11.00 U	U		11.00 U	U	U	10.00 U	U
		METHYLENE CHLORIDE	11.00 U	U		11.00 U	U	U	10.00 U	U
		ACETONE	11.00 J	UJ	B,C	130.00	UJ	U	11.00 J	U
		CARBON DISULFIDE	11.00 U	U		12.00 U	U	U	11.00 U	U
		1,1-DICHLOROETHENE	11.00 U	U		12.00 U	U	U	11.00 U	U
1,1-DICHLOROETHANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
TOTAL 1,2-DICHLOROETHENE	11.00 U	U		12.00 U	U	U	11.00 U	U		
CHLOROFORM	11.00 U	U		12.00 U	U	U	11.00 U	U		
1,2-DICHLOROETHANE	11.00 U	U		12.00 U	UJ	UJ	11.00 U	UJ		
METHYL ETHYL KETONE (2-BU	11.00 U	U		12.00 U	U	U	11.00 U	U		
1,1,1-TRICHLOROETHANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
CARBON TETRACHLORIDE	11.00 U	U		12.00 U	U	U	11.00 U	U		
BROMODICHLOROMETHANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
1,2-DICHLOROPROPANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
CIS-1,3-DICHLOROPROPENE	11.00 U	U		12.00 U	U	U	11.00 U	U		
TRICHLOROETHYLENE (TCE)	11.00 U	U		12.00 U	U	U	11.00 U	U		
DIBROMOCHLOROMETHANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
1,1,2-TRICHLOROETHANE	11.00 U	U		12.00 U	U	U	11.00 U	U		
BENZENE	11.00 U	U		12.00 U	U	U	11.00 U	U		

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S16DAA	S16DAD	S16DCA	S17DAA	S17DBA				
OGDEN ID	S16DAA	S16DAD	S16DCA	S17DAA	S17DBA				
Date Sampled	8/20/97	8/20/97	8/13/97	8/12/97	8/12/97				
Depth	0.00	0.00	10.00	0.00	1.50				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31V (UG/KG) Continued									
TRANS-1,3-DICHLOROPROPEN	11.00 U								
BROMOFORM	11.00 U								
METHYL ISOBUTYL KETONE (4	11.00 U								
2-HEXANONE	11.00 U								
TETRACHLOROETHYLENE(PCB	11.00 U								
1,1,2,2-TETRACHLOROETHANE	11.00 U								
TOLUENE	11.00 U								
CHLOROBENZENE	11.00 U								
ETHYLBENZENE	11.00 U								
STYRENE	11.00 U								
XYLENES, TOTAL	11.00 U								
8021S (MG/KG)									
1,2-DIBROMOETHANE (ETHYLE									
TERT-BUTYL METHYL ETHER									

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S17DCA	S19DAA	S19DAD	S19DCA	S23DFA			
OGDEN ID	S17DCA	S19DAA	S19DAD	S19DCA	S23DFA			
Date Sampled	8/12/97	8/21/97	8/21/97	10/23/97	7/21/97			
Depth	10.00	0.00	0.00	10.00	40.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8021S (UG/KG)								
1,2-DIBROMOETHANE (ETHYLH	0.52 U	U	U	C,H,S	0.51 U	U	R	D
TERT-BUTYL METHYL ETHER	0.52 U	U	U	C,H	0.51 U	U	R	D
OM31V (UG/KG)								
CHLOROMETHANE	10.00 U	U	U		10.00 U	U	U	U
BROMOMETHANE	10.00 U	U	U	C	10.00 U	U	U	U
VINYL CHLORIDE	10.00 U	U	U		10.00 U	U	U	U
CHLOROETHANE	10.00 U	U	U		10.00 U	U	U	U
METHYLENE CHLORIDE	10.00 U	U	U	B	10.00 U	U	U	U
ACETONE	24.00	J	J		10.00 U	U	U	B,C
CARBON DISULFIDE	10.00 U	U	U		10.00 U	U	U	U
1,1-DICHLOROETHENE	10.00 U	U	U		10.00 U	U	U	U
1,1-DICHLOROETHANE	10.00 U	U	U		10.00 U	U	U	U
TOTAL 1,2-DICHLOROETHENE	10.00 U	U	U		10.00 U	U	U	U
CHLOROFORM	10.00 U	U	U		10.00 U	U	U	U
1,2-DICHLOROETHANE	10.00 U	U	U	C	10.00 U	U	U	U
METHYL ETHYL KETONE (2-BU	10.00 U	U	U		10.00 U	U	U	U
1,1,1-TRICHLOROETHANE	10.00 U	U	U		10.00 U	U	U	U
CARBON TETRACHLORIDE	10.00 U	U	U		10.00 U	U	U	U
BROMODICHLOROMETHANE	10.00 U	U	U		10.00 U	U	U	U
1,2-DICHLOROPROPANE	10.00 U	U	U		10.00 U	U	U	U
CIS-1,3-DICHLOROPROPENE	10.00 U	U	U		10.00 U	U	U	U
TRICHLOROETHYLENE (TCE)	10.00 U	U	U		10.00 U	U	U	U
DIBROMOCHLOROMETHANE	10.00 U	U	U		10.00 U	U	U	U
1,1,2-TRICHLOROETHANE	10.00 U	U	U		10.00 U	U	U	U
BENZENE	10.00 U	U	U		10.00 U	U	U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S17DCA	S19DAA	S19DAD	S19DCA	S23DFA			
OGDEN ID	S17DCA	S19DAA	S19DAD	S19DCA	S23DFA			
Date Sampled	8/12/97	8/21/97	8/21/97	10/23/97	7/21/97			
Depth	10.00	0.00	0.00	10.00	40.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31V (UG/KG) Continued								
TRANS-1,3-DICHLOROPROPEN	10.00 U	U	U			11.00 U	U	
BROMOFORM	10.00 U	U	U			11.00 U	U	
METHYL ISOBUTYL KETONE (4	10.00 U	U	U			11.00 U	U	
2-HEXANONE	10.00 U	U	U			11.00 U	UJ	C
TETRACHLOROETHYLENE(PCB	10.00 U	U	U			11.00 U	U	
1,1,2,2-TETRACHLOROETHANE	10.00 U	U	U			11.00 U	U	
TOLUENE	10.00 U	U	U			11.00 U	U	
CHLOROBENZENE	10.00 U	U	U			11.00 U	U	
ETHYLBENZENE	10.00 U	U	U			11.00 U	U	
STYRENE	10.00 U	U	U			11.00 U	U	
XYLENES, TOTAL	10.00 U	U	U			11.00 U	U	
8021S (MG/KG)								
1,2-DIBROMOETHANE (ETHYLE								
TERT-BUTYL METHYL ETHER								

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S23DIA	S25DAA	S25DAD	S26DAA	S26DAD
OGDEN ID	S23DIA	S25DAA	S25DAD	S26DAA	S26DAD
Date Sampled	7/21/97	8/21/97	8/21/97	8/20/97	8/20/97
Depth	70.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.53 U	U	U	0.60 U	UJ S
TERT-BUTYL METHYL ETHER	0.53 U	UJ C	UJ C,H,S	0.60 U	UJ S
OM31V (UG/KG)					
CHLOROMETHANE	10.00 U	U	R D	12.00 U	U
BROMOMETHANE	10.00 U	U	R D	12.00 U	U
VINYL CHLORIDE	10.00 U	U	R D	12.00 U	U
CHLOROETHANE	10.00 U	U	R D	12.00 U	U
METHYLENE CHLORIDE	10.00 U	U	R D	12.00 U	U
ACETONE	36.00 UJ	UJ B	R D	100.00 UJ	UJ B,C
CARBON DISULFIDE	10.00 U	U	R D	12.00 U	U
1,1-DICHLOROETHENE	10.00 U	U	R D	12.00 U	U
1,1-DICHLOROETHANE	10.00 U	U	R D	12.00 U	U
TOTAL 1,2-DICHLOROETHENE	10.00 U	U	R D	12.00 U	U
CHLOROFORM	10.00 U	U	R D	12.00 U	U
1,2-DICHLOROETHANE	10.00 U	U	R D	12.00 U	U
METHYL ETHYL KETONE (2-BU	10.00 U	U	R D	12.00 U	U
1,1,1-TRICHLOROETHANE	10.00 U	U	R D	12.00 U	U
CARBON TETRACHLORIDE	10.00 U	U	R D	12.00 U	U
BROMODICHLOROMETHANE	10.00 U	U	R D	12.00 U	U
1,2-DICHLOROPROPANE	10.00 U	U	R D	12.00 U	U
CIS-1,3-DICHLOROPROPENE	10.00 U	U	R D	12.00 U	U
TRICHLOROETHYLENE (TCE)	10.00 U	U	R D	12.00 U	U
DIBROMOCHLOROMETHANE	10.00 U	U	R D	12.00 U	U
1,1,2-TRICHLOROETHANE	10.00 U	U	R D	12.00 U	U
BENZENE	10.00 U	U	R D	12.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S23DIA	S25DAA	S25DAD	S26DAA	S26DAD							
OGDEN ID	S23DIA	S25DAA	S25DAD	S26DAA	S26DAD							
Date Sampled	7/21/97	8/21/97	8/21/97	8/20/97	8/20/97							
Depth	70.00	0.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE			
OM31V (UG/KG) Continued												
TRANS-1,3-DICHLOROPROPEN	10.00 U		R D	15.00 U		R D	12.00 U		U	11.00 U		U
BROMOFORM	10.00 U		R D	15.00 U		R D	12.00 U		U	11.00 U		U
METHYL ISOBUTYL KETONE (4	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
2-HEXANONE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
TETRACHLOROETHYLENE(PCE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
1,1,2,2-TETRACHLOROETHANE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
TOLUENE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
CHLOROBENZENE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
ETHYLBENZENE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
STYRENE	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
XYLENES, TOTAL	10.00 U		R D	15.00 U		R D	12.00 U		UJ I	11.00 U		UJ I
8021S (MG/KG)												
1,2-DIBROMOETHANE (ETHYLE												
TERT-BUTYL METHYL ETHER												

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S27DAA	S27DAD	S28DAA	S28DCA	S28DLA
OGDEN ID	S27DAA	S27DAD	S28DAA	S28DCA	S28DLA
Date Sampled	8/20/97	8/20/97	7/29/97	7/28/97	7/29/97
Depth	0.00	0.00	0.00	10.00	100.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLENE)	0.61 U	UJ C,S	UJ C,S	0.52 U	U
TERT-BUTYL METHYL ETHER	0.61 U	UJ S	UJ S	1.04 U	U \$,*9
OM31V (UG/KG)					
CHLOROMETHANE	12.00 U	U	UJ S	10.00 U	U
BROMOMETHANE	12.00 U	U	UJ S	10.00 U	U
VINYL CHLORIDE	12.00 U	U	UJ S	10.00 U	U
CHLOROETHANE	12.00 U	U	UJ S	10.00 U	U
METHYLENE CHLORIDE	12.00 U	U	UJ S	10.00 U	U
ACETONE	52.00	UJ B,C	UJ B,C,S	22.00	UJ B,C
CARBON DISULFIDE	12.00 U	U	UJ S	10.00 U	U
1,1-DICHLOROETHENE	12.00 U	U	UJ S	10.00 U	U
1,1-DICHLOROETHANE	12.00 U	U	UJ S	10.00 U	U
TOTAL 1,2-DICHLOROETHENE	12.00 U	U	UJ S	10.00 U	U
CHLOROFORM	12.00 U	U	UJ S	10.00 U	U
1,2-DICHLOROETHANE	12.00 U	U	UJ S	10.00 U	U
METHYL ETHYL KETONE (2-BUTANONE)	12.00 U	U	UJ S	10.00 U	U
1,1,1-TRICHLOROETHANE	12.00 U	U	UJ S	10.00 U	U
CARBON TETRACHLORIDE	12.00 U	U	UJ S	10.00 U	U
BROMODICHLOROMETHANE	12.00 U	U	UJ S	10.00 U	U
1,2-DICHLOROPROPANE	12.00 U	U	UJ S	10.00 U	U
CIS-1,3-DICHLOROPROPENE	12.00 U	U	UJ S	10.00 U	U
TRICHLOROETHYLENE (TCE)	12.00 U	U	UJ S	10.00 U	U
DIBROMOCHLOROMETHANE	12.00 U	U	UJ S	10.00 U	U
1,1,2-TRICHLOROETHANE	12.00 U	U	UJ S	10.00 U	U
BENZENE	12.00 U	U	UJ S	10.00 U	U

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S27DAA	S27DAD	S28DAA	S28DCA	S28DLA
OGDEN ID	S27DAA	S27DAD	S28DAA	S28DCA	S28DLA
Date Sampled	8/20/97	8/20/97	7/29/97	7/28/97	7/29/97
Depth	0.00	0.00	0.00	10.00	100.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31V (UG/KG) Continued					
TRANS-1,3-DICHLOROPROPEN	12.00 U	U	UJ S	11.00 U	U
BROMOFORM	12.00 U	U	UJ S	11.00 U	U
METHYL ISOBUTYL KETONE (4	12.00 U	UJ I	UJ I,S	11.00 U	U
2-HEXANONE	12.00 U	UJ I	UJ I,S	11.00 U	U
TETRACHLOROETHYLENE(PCH	12.00 U	UJ I	UJ I,S	11.00 U	U
1,1,2,2-TETRACHLOROETHANE	12.00 U	UJ I	UJ I,S	11.00 U	U
TOLUENE	12.00 U	UJ I	UJ I,S	11.00 U	U
CHLOROBENZENE	12.00 U	UJ I	UJ I,S	11.00 U	U
ETHYLBENZENE	12.00 U	UJ I	UJ I,S	11.00 U	U
STYRENE	12.00 U	UJ I	UJ I,S	11.00 U	U
XYLENES, TOTAL	12.00 U	UJ I	UJ I,S	11.00 U	U
8021S (MG/KG)					
1,2-DIBROMOETHANE (ETHYLE					
TERT-BUTYL METHYL ETHER					

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S29DAA	S29DCA	S29DFA	S30DCA	?
OGDEN ID	S29DAA	S29DCA	S29DFA	S30DCA	
Date Sampled	7/31/97	7/31/97	7/31/97	10/27/97	
Depth	0.00	10.00	40.00	10.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8021S (UG/KG)					
1,2-DIBROMOETHANE (ETHYLE	0.56 U	U			
TERT-BUTYL METHYL ETHER	0.56 U	U			
OM31V (UG/KG)					
CHLOROMETHANE	12.00 U	U			
BROMOMETHANE	12.00 U	U			
VINYL CHLORIDE	12.00 U	U			
CHLOROETHANE	12.00 U	U			
METHYLENE CHLORIDE	12.00 U	U			
ACETONE	12.00 J	UJ			
CARBON DISULFIDE	12.00 U	U			
1,1-DICHLOROETHENE	12.00 U	U			
1,1-DICHLOROETHANE	12.00 U	U			
TOTAL 1,2-DICHLOROETHENE	12.00 U	U			
CHLOROFORM	12.00 U	U			
1,2-DICHLOROETHANE	12.00 U	U			
METHYL ETHYL KETONE (2-BU	12.00 U	U			
1,1,1-TRICHLOROETHANE	12.00 U	U			
CARBON TETRACHLORIDE	12.00 U	U			
BROMODICHLOROMETHANE	12.00 U	U			
1,2-DICHLOROPROPANE	12.00 U	U			
CIS-1,3-DICHLOROPROPENE	12.00 U	U			
TRICHLOROETHYLENE (TCE)	12.00 U	U			
DIBROMOCHLOROMETHANE	12.00 U	U			
1,1,2-TRICHLOROETHANE	12.00 U	U			
BENZENE	12.00 U	U			

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Group D: Soil Data for Methods 8021S and OM31V

EPA NO	S29DAA	S29DCA	S29DFA	S30DCA	?				
OGDEN ID	S29DAA	S29DCA	S29DFA	S30DCA					
Date Sampled	7/31/97	7/31/97	7/31/97	10/27/97					
Depth	0.00	10.00	40.00	10.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG) Continued									
	TRANS-1,3-DICHLOROPROPEN	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	BROMOFORM	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	METHYL ISOBUTYL KETONE (4	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	2-HEXANONE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	TETRACHLOROETHYLENE(PCE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	1,1,2,2-TETRACHLOROETHANE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	TOLUENE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	CHLOROBENZENE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	ETHYLBENZENE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	STYRENE	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	XYLENES, TOTAL	12.00 U	U	10.00 U	U	10.00 U	10.00 U	U	
	8021S (MG/KG)								
1,2-DIBROMOETHANE (ETHYLE									
TERT-BUTYL METHYL ETHER									

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GROUP E: Soil Data for Method OM31B

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA				
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA				
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG)									
PHENOL	390 U	U	U	390 U	U	U	420 U	U	U
BIS(2-CHLOROETHYL) ETHER (2	390 U	U	U	390 U	U	U	420 U	U	U
2-CHLOROPHENOL	390 U	U	U	390 U	U	U	420 U	U	U
1,3-DICHLOROBENZENE	390 U	U	U	390 U	U	U	420 U	U	U
1,4-DICHLOROBENZENE	390 U	U	U	390 U	U	U	420 U	U	U
1,2-DICHLOROBENZENE	390 U	U	U	390 U	U	U	420 U	U	U
2-METHYLPHENOL (O-CRESOL)	390 U	U	U	390 U	U	U	420 U	U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	390 U	U	U	390 U	U	U	420 U	UJ	UJ C
4-METHYLPHENOL (P-CRESOL)	390 U	U	U	390 U	U	U	420 U	U	U
N-NITROSODI-N-PROPYLAMINE	390 U	U	U	390 U	U	U	420 U	U	U
HEXACHLOROETHANE	390 U	U	U	390 U	U	U	420 U	U	U
NITROBENZENE	390 U	U	U	390 U	U	U	420 U	U	U
ISOPHORONE	390 U	U	U	390 U	U	U	420 U	U	U
2-NITROPHENOL	390 U	U	U	390 U	U	U	420 U	U	U
2,4-DIMETHYLPHENOL	390 U	U	U	390 U	U	U	420 U	U	U
BIS(2-CHLOROETHOXY) METHA	390 U	U	U	390 U	U	U	420 U	U	U
2,4-DICHLOROPHENOL	390 U	U	U	390 U	U	U	420 U	U	U
1,2,4-TRICHLOROBENZENE	390 U	U	U	390 U	U	U	420 U	U	U
NAPHTHALENE	390 U	U	U	390 U	U	U	420 U	U	U
4-CHLOROANILINE	390 U	U	U	390 U	U	U	420 U	U	U
HEXACHLOROBTADIENE	390 U	U	U	390 U	U	U	420 U	U	U
4-CHLORO-3-METHYLPHENOL	390 U	U	U	390 U	U	U	420 U	U	U
2-METHYLNAPHTHALENE	390 U	U	U	390 U	U	U	420 U	U	U
HEXACHLOROCYCLOPENTADIE	390 U	U	U	390 U	U	U	420 U	U	U
2,4,6-TRICHLOROPHENOL	390 U	U	U	390 U	U	U	420 U	U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/11/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	980 U	U		1,000 U	U
2-CHLORONAPHTHALENE	390 U	U		420 U	U
2-NITROANILINE	980 U	U		1,000 U	U
DIMETHYL PHTHALATE	390 U	U		420 U	U
ACENAPHTHYLENE	390 U	U		420 U	U
2,6-DINITROTOLUENE	390 U	U		420 U	U
3-NITROANILINE	980 U	U		1,000 U	U
ACENAPHTHENE	390 U	U		420 U	U
2,4-DINITROPHENOL	980 U	U		1,000 U	U
4-NITROPHENOL	980 U	U		1,000 U	U
DIBENZOFURAN	390 U	U		420 U	U
2,4-DINITROTOLUENE	390 U	U		420 U	U
DIETHYL PHTHALATE	390 U	U		420 U	U
4-CHLOROPHENYL PHENYL ETH	390 U	U		420 U	U
FLUORENE	390 U	U		420 U	U
4-NITROANILINE	980 U	U		1,000 U	U
4,6-DINITRO-2-METHYLPHENOL	980 U	U		1,000 U	U
N-NITROSODIPHENYLAMINE	390 U	U		420 U	U
4-BROMOPHENYL PHENYL ETH	390 U	U		420 U	U
HEXACHLOROBENZENE	390 U	U		420 U	U
PENTACHLOROPHENOL	980 U	U		1,000 U	U
PHENANTHRENE	390 U	U		420 U	U
ANTHRACENE	390 U	U		420 U	U
CARBAZOLE	390 U	U		420 U	U
DI-N-BUTYL PHTHALATE	34.0 J	J	F	420 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	390 U	U	390 U	420 U	U
PYRENE	390 U	U	29.0 J	22.0 J	U
BENZYL BUTYL PHTHALATE	390 U	U	390 U	420 U	U
3,3'-DICHLOROBENZIDINE	390 U	U	390 U	420 U	U
BENZO(A)ANTHRACENE	390 U	U	390 U	420 U	U
CHRYSENE	390 U	U	390 U	420 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	77.0 J	J	390 U	420 U	J
DI-N-OCTYLPHTHALATE	390 U	U	390 U	420 U	U
BENZO(B)FLUORANTHENE	390 U	U	390 U	420 U	U
BENZO(K)FLUORANTHENE	390 U	U	390 U	420 U	U
BENZO(A)PYRENE	390 U	U	390 U	420 U	U
INDENO(1,2,3-C,D)PYRENE	390 U	U	390 U	420 U	U
DIBENZ(A,H)ANTHRACENE	390 U	U	390 U	420 U	U
BENZO(G,H,I)PERYLENE	390 U	U	390 U	420 U	U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DI-BENZ(A,I)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG)					
PHENOL	440 U	U	390 U	420 U	U
BIS(2-CHLOROETHYL) ETHER (2	440 U	U	390 U	420 U	U
2-CHLOROPHENOL	440 U	U	390 U	420 U	U
1,3-DICHLOROBENZENE	440 U	U	390 U	420 U	U
1,4-DICHLOROBENZENE	440 U	U	390 U	420 U	U
1,2-DICHLOROBENZENE	440 U	U	390 U	420 U	U
2-METHYLPHENOL (O-CRESOL)	440 U	U	390 U	420 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	440 U	UJ	390 U	420 U	U
4-METHYLPHENOL (P-CRESOL)	440 U	U	390 U	420 U	U
N-NITROSODI-N-PROPYLAMINE	440 U	U	390 U	420 U	U
HEXACHLOROETHANE	440 U	U	390 U	420 U	U
NITROBENZENE	440 U	U	390 U	420 U	U
ISOPHORONE	440 U	U	390 U	420 U	U
2-NITROPHENOL	440 U	U	390 U	420 U	U
2,4-DIMETHYLPHENOL	440 U	U	390 U	420 U	U
BIS(2-CHLOROETHOXY) METHA	440 U	U	390 U	420 U	U
2,4-DICHLOROPHENOL	440 U	U	390 U	420 U	U
1,2,4-TRICHLOROBENZENE	440 U	U	390 U	420 U	U
NAPHTHALENE	440 U	U	390 U	420 U	U
4-CHLOROANILINE	440 U	U	390 U	420 U	U
HEXACHLOROBUTADIENE	440 U	U	390 U	420 U	U
4-CHLORO-3-METHYLPHENOL	440 U	U	390 U	420 U	U
2-METHYLNAPHTHALENE	440 U	U	390 U	420 U	U
HEXACHLOROCYCLOPENTADIE	440 U	U	390 U	420 U	U
2,4,6-TRICHLOROPHENOL	440 U	U	390 U	420 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	1,100 U	U			
2-CHLORONAPHTHALENE	440 U	U			
2-NITROANILINE	1,100 U	U			
DIMETHYL PHTHALATE	440 U	U			
ACENAPHTHYLENE	440 U	U			
2,6-DINITROTOLUENE	440 U	U			
3-NITROANILINE	1,100 U	U			
ACENAPHTHENE	440 U	U			
2,4-DINITROPHENOL	1,100 U	UJ C			
4-NITROPHENOL	1,100 U	U			
DIBENZOFURAN	440 U	U			
2,4-DINITROTOLUENE	440 U	U			
DIETHYL PHTHALATE	440 U	U			
4-CHLOROPHENYL PHENYL ETH	440 U	U			
FLUORENE	440 U	U			
4-NITROANILINE	1,100 U	U			
4,6-DINITRO-2-METHYLPHENOL	1,100 U	U			
N-NITROSODIPHENYLAMINE	440 U	U			
4-BROMOPHENYL PHENYL ETH	440 U	U			
HEXACHLOROBENZENE	440 U	U			
PENTACHLOROPHENOL	1,100 U	U			
PHENANTHRENE	440 U	U			
ANTHRACENE	440 U	U			
CARBAZOLE	440 U	U			
DEN-BUTYL PHTHALATE	440 U	U			

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GROUP E: Soil Data for Method OM31B

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	38.0 J	430 U	U	390 U	420 U
PYRENE	26.0 J	430 U	U	390 U	420 U
BENZYL BUTYL PHTHALATE	440 U	430 U	U	390 U	420 U
3,3'-DICHLOROBENZIDINE	440 U	430 U	U	390 U	420 U
BENZO(A)ANTHRACENE	440 U	430 U	U	390 U	420 U
CHRYSENE	24.0 J	430 U	U	390 U	420 U
BIS(2-ETHYLHEXYL) PHTHALAT	440 U	430 U	U	48.0 J	420 U
DI-N-OCTYL PHTHALATE	440 U	430 U	U	390 U	420 U
BENZO(B)FLUORANTHENE	440 U	430 U	U	390 U	420 U
BENZO(K)FLUORANTHENE	440 U	430 U	U	390 U	420 U
BENZO(A)PYRENE	440 U	430 U	U	390 U	420 U
INDENO(1,2,3-C,D)PYRENE	440 U	430 U	U	390 U	420 U
DIBENZ(A,H)ANTHRACENE	440 U	430 U	U	390 U	420 U
BENZO(G,H,I)PERYLENE	440 U	430 U	U	390 U	420 U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	B03AAA	B03BAA	B03CAA	B03FAA	B03FAA						
OGDEN ID	B03AAA	B03BAA	B03CAA	B03FAA	B03FAA						
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97						
Depth	0.00	0.00	0.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE		
OM31B (UG/KG)											
PHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
BIS(2-CHLOROETHYL) ETHER (2	390 U	U		390 U	U		400 U	U	390 U	U	
2-CHLOROPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
1,3-DICHLOROBENZENE	390 U	U		390 U	U		400 U	U	390 U	U	
1,4-DICHLOROBENZENE	390 U	U		390 U	U		400 U	U	390 U	U	
1,2-DICHLOROBENZENE	390 U	U		390 U	U		400 U	U	390 U	U	
2-METHYLPHENOL (O-CRESOL)	390 U	U		390 U	U		400 U	U	390 U	U	
2,2'-OXYBIS(1-CHLORO)PROPAN	390 U	UJ	C	390 U	UJ	C	400 U	UJ	390 U	UJ	C
4-METHYLPHENOL (P-CRESOL)	390 U	U		390 U	U		400 U	U	390 U	U	
N-NITROSODI-N-PROPYLAMINE	390 U	U		390 U	U		400 U	U	390 U	U	
HEXACHLOROETHANE	390 U	U		390 U	U		400 U	U	390 U	U	
NITROBENZENE	390 U	U		390 U	U		400 U	U	390 U	U	
ISOPHORONE	390 U	U		390 U	U		400 U	U	390 U	U	
2-NITROPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
2,4-DIMETHYLPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
BIS(2-CHLOROETHOXY) METHA	390 U	U		390 U	U		400 U	U	390 U	U	
2,4-DICHLOROPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
1,2,4-TRICHLOROBENZENE	390 U	U		390 U	U		400 U	U	390 U	U	
NAPHTHALENE	390 U	U		390 U	U		400 U	U	390 U	U	
4-CHLOROANILINE	390 U	U		390 U	U		400 U	U	390 U	U	
HEXACHLOROBUTADIENE	390 U	U		390 U	U		400 U	U	390 U	U	
4-CHLORO-3-METHYLPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	
2-METHYLNAPHTHALENE	390 U	U		390 U	U		400 U	U	390 U	U	
HEXACHLOROCYCLOPENTADIE	390 U	U		390 U	U		400 U	U	390 U	U	
2,4,6-TRICHLOROPHENOL	390 U	U		390 U	U		400 U	U	390 U	U	

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GROUP E: Soil Data for Method OM31B

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EPA NO	B03AAA	B03BAA	B03CAA	B03FAA
OGDEN ID	B03AAA	B03BAA	B03CAA	B03FAA
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97
Depth	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT
OM31B (UG/KG) Continued				
2,4,5-TRICHLOROPHENOL	990 U	U	970 U	990 U
2-CHLORONAPHTHALENE	390 U	U	390 U	390 U
2-NITROANILINE	990 U	U	970 U	990 U
DIMETHYL PHTHALATE	390 U	U	390 U	390 U
ACENAPHTHYLENE	390 U	U	390 U	390 U
2,6-DINITROTOLUENE	390 U	U	390 U	390 U
3-NITROANILINE	990 U	U	970 U	990 U
ACENAPHTHENE	390 U	U	390 U	390 U
2,4-DINITROPHENOL	990 U	UJ	970 U	990 U
4-NITROPHENOL	990 U	U	970 U	990 U
DIBENZOFURAN	390 U	U	390 U	390 U
2,4-DINITROTOLUENE	390 U	U	390 U	390 U
DIETHYL PHTHALATE	390 U	U	390 U	390 U
4-CHLOROPHENYL PHENYL ETH	390 U	U	390 U	390 U
FLUORENE	390 U	U	390 U	390 U
4-NITROANILINE	990 U	U	970 U	990 U
4,6-DINITRO-2-METHYLPHENOL	990 U	U	970 U	990 U
N-NITROSODIPHENYLAMINE	390 U	U	390 U	390 U
4-BROMOPHENYL PHENYL ETH	390 U	U	390 U	390 U
HEXACHLOROBENZENE	390 U	U	390 U	390 U
PENTACHLOROPHENOL	990 U	U	970 U	990 U
PHENANTHRENE	390 U	U	390 U	390 U
ANTHRACENE	390 U	U	390 U	390 U
CARBAZOLE	390 U	U	390 U	390 U
DI-N-BUTYL PHTHALATE	390 U	U	390 U	390 U

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GROUP E: Soil Data for Method OM31B

EPA NO	B03AAA	B03BAA	B03CAA	B03FAA	B03FAA				
OGDEN ID	B03AAA	B03BAA	B03CAA	B03FAA	B03FAA				
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued	FLUORANTHENE	390 U	U	390 U	U	58.0 J	92.0 J	J	J
	PYRENE	390 U	U	390 U	U	52.0 J	81.0 J	J	J
	BENZYL BUTYL PHTHALATE	390 U	U	390 U	U	400 U	390 U	U	U
	3,3'-DICHLOROBENZIDINE	390 U	U	390 U	U	400 U	390 U	U	U
	BENZO(A)ANTHRACENE	390 U	U	390 U	U	54.0 J	88.0 J	J	J
	CHRYSENE	390 U	U	390 U	U	140 J	190 J	J	J
	BIS(2-ETHYLHEXYL) PHTHALAT	390 U	U	390 U	U	400 U	390 U	U	U
	DI-N-OCTYL PHTHALATE	390 U	U	390 U	U	400 U	390 U	U	U
	BENZO(B)FLUORANTHENE	390 U	U	390 U	U	140 J	180 J	J	J
	BENZO(K)FLUORANTHENE	390 U	U	390 U	U	110 J	130 J	J	J
	BENZO(A)PYRENE	390 U	U	390 U	U	55.0 J	78.0 J	J	J
	INDENO(1,2,3-C,D)PYRENE	390 U	U	390 U	U	35.0 J	47.0 J	J	J
	DIBENZO(A,H)ANTHRACENE	390 U	U	390 U	U	400 U	23.0 J	J	J
	BENZO(G,H,I)PERYLENE	390 U	U	390 U	U	31.0 J	39.0 J	J	J
	BIS(2-CHLOROETHYL) ETHER (2-								
	BIS(2-CHLOROETHOXY)METHAN								
CARBOZOLE									
DEBENZO(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA
OGDEN ID	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97
Depth	0.00	0.00			0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	380 U	U	U	410 U	U
BIS(2-CHLOROETHYL) ETHER (2	380 U	U	U	410 U	U
2-CHLOROPHENOL	380 U	U	U	410 U	U
1,3-DICHLOROBENZENE	380 U	U	U	410 U	U
1,4-DICHLOROBENZENE	380 U	U	U	410 U	U
1,2-DICHLOROBENZENE	380 U	U	U	410 U	U
2-METHYLPHENOL (O-CRESOL)	380 U	U	U	410 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	U	U	410 U	U
4-METHYLPHENOL (P-CRESOL)	380 U	U	U	410 U	U
N-NITROSODI-N-PROPYLAMINE	380 U	U	U	410 U	U
HEXACHLOROETHANE	380 U	U	U	410 U	U
NITROBENZENE	380 U	U	U	410 U	U
ISOPHORONE	380 U	U	U	410 U	U
2-NITROPHENOL	380 U	U	U	410 U	U
2,4-DIMETHYLPHENOL	380 U	U	U	410 U	U
BIS(2-CHLOROETHOXY) METHA	380 U	U	U	410 U	U
2,4-DICHLOROPHENOL	380 U	U	U	410 U	U
1,2,4-TRICHLOROBENZENE	380 U	U	U	410 U	U
NAPHTHALENE	380 U	U	U	410 U	U
4-CHLOROANILINE	380 U	U	U	410 U	U
HEXACHLOROBUTADIENE	380 U	U	U	410 U	U
4-CHLORO-3-METHYLPHENOL	380 U	U	U	410 U	U
2-METHYLNAPHTHALENE	380 U	U	U	410 U	U
HEXACHLOROCYCLOPENTADIE	380 U	U	U	410 U	U
2,4,6-TRICHLOROPHENOL	380 U	U	U	410 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B03FAD	B03GAA	B03IAA	B03JAA	B03JAA
OGDEN ID	B03FAD	B03GAA	B03IAA	B03JAA	B03JAA
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97
Depth	0.00	0.00			0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	960 U	U	960 U	1,000 U	960 U
2-CHLORONAPHTHALENE	380 U	U	390 U	410 U	380 U
2-NITROANILINE	960 U	U	990 U	1,000 U	960 U
DIMETHYL PHTHALATE	380 U	U	390 U	410 U	380 U
ACENAPHTHYLENE	380 U	U	390 U	410 U	380 U
2,6-DINITROTOLUENE	380 U	U	390 U	410 U	380 U
3-NITROANILINE	960 U	U	990 U	1,000 U	960 U
ACENAPHTHENE	380 U	U	390 U	410 U	380 U
2,4-DINITROPHENOL	960 U	UJ C	990 U	1,000 U	960 U
4-NITROPHENOL	960 U	U	990 U	1,000 U	960 U
DIBENZOFURAN	380 U	U	390 U	410 U	380 U
2,4-DINITROTOLUENE	380 U	U	390 U	410 U	380 U
DIETHYL PHTHALATE	380 U	U	390 U	410 U	380 U
4-CHLOROPHENYL PHENYL ETH	380 U	U	390 U	410 U	380 U
FLUORENE	380 U	U	390 U	410 U	380 U
4-NITROANILINE	960 U	U	990 U	1,000 U	960 U
4,6-DINITRO-2-METHYLPHENOL	960 U	U	990 U	1,000 U	960 U
N-NITROSODIPHENYL AMINE	380 U	U	390 U	410 U	380 U
4-BROMOPHENYL PHENYL ETH	380 U	U	390 U	410 U	380 U
HEXACHLOROBENZENE	380 U	U	390 U	410 U	380 U
PENTACHLOROPHENOL	960 U	U	990 U	1,000 U	960 U
PHENANTHRENE	380 U	U	390 U	410 U	380 U
ANTHRACENE	380 U	U	390 U	410 U	380 U
CARBAZOLE	380 U	U	390 U	410 U	380 U
DI-N-BUTYL PHTHALATE	380 U	U	390 U	410 U	380 U

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EPA NO	B03FAD	B03GAA	B03IAA	B03JAA		
OGDEN ID	B03FAD	B03GAA	B03IAA	B03JAA		
Date Sampled	9/9/97	9/9/97	10/28/97	9/10/97		
Depth	0.00	0.00		0.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued						
FLUORANTHENE	400	380 U	390 U	410 U	380 U	U
PYRENE	270 J	380 U	390 U	410 U	380 U	U
BENZYL BUTYL PHTHALATE	380 U	380 U	390 U	410 U	380 U	U
3,3'-DICHLOROBENZIDINE	380 U	380 U	390 U	410 U	380 U	U
BENZO(A)ANTHRACENE	260 J	380 U	390 U	410 U	380 U	U
CHRYSENE	370 J	380 U	390 U	410 U	380 U	U
BIS(2-ETHYLBHEXYL) PHTHALAT	560	380 U	390 U	410 U	380 U	U
DI-N-OCTYL PHTHALATE	380 U	380 U	390 U	410 U	380 U	U
BENZO(B)FLUORANTHENE	340 J	380 U	390 U	410 U	380 U	U
BENZO(K)FLUORANTHENE	290 J	380 U	390 U	410 U	380 U	U
BENZO(A)PYRENE	180 J	380 U	390 U	410 U	380 U	U
INDENO(1,2,3-C,D)PYRENE	89.0 J	380 U	390 U	410 U	380 U	U
DIBENZ(A,H)ANTHRACENE	46.0 J	380 U	390 U	410 U	380 U	U
BENZO(G,H,I)PERYLENE	76.0 J	380 U	390 U	410 U	380 U	U
BIS(2-CHLOROETHYL)ETHER (2-						
BIS(2-CHLOROETHOXY)METHAN						
CARBOZOLE						
DEBENZ(A,H)ANTHRACENE						

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GROUP E: Soil Data for Method OM31B

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EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97
Depth	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG)					
PHENOL	390 U	U	410 U	380 U	U
BIS(2-CHLOROETHYL) ETHER (2	390 U	U	410 U	380 U	U
2-CHLOROPHENOL	390 U	U	410 U	380 U	U
1,3-DICHLOROBENZENE	390 U	U	410 U	380 U	U
1,4-DICHLOROBENZENE	390 U	U	410 U	380 U	U
1,2-DICHLOROBENZENE	390 U	U	410 U	380 U	U
2-METHYLPHENOL (O-CRESOL)	390 U	U	410 U	380 U	U
2,2'-OXYBIS(1-CHLOROPROPAN	390 U	U	410 U	380 U	U
4-METHYLPHENOL (P-CRESOL)	390 U	U	410 U	380 U	U
N-NITROSODI-N-PROPYLAMINE	390 U	U	410 U	380 U	U
HEXACHLOROETHANE	390 U	U	410 U	380 U	U
NITROBENZENE	390 U	U	410 U	380 U	U
ISOPHORONE	390 U	U	410 U	380 U	U
2-NITROPHENOL	390 U	U	410 U	380 U	U
2,4-DIMETHYLPHENOL	390 U	U	410 U	380 U	U
BIS(2-CHLOROETHOXY) METHA	390 U	U	410 U	380 U	U
2,4-DICHLOROPHENOL	390 U	U	410 U	380 U	U
1,2,4-TRICHLOROBENZENE	390 U	U	410 U	380 U	U
NAPHTHALENE	390 U	U	410 U	380 U	U
4-CHLOROANILINE	390 U	U	410 U	380 U	U
HEXACHLOROBUTADIENE	390 U	U	410 U	380 U	U
4-CHLORO-3-METHYLPHENOL	390 U	U	410 U	380 U	U
2-METHYLNAPHTHALENE	390 U	U	410 U	380 U	U
HEXACHLOROCYCLOPENTADIE	390 U	U	410 U	380 U	U
2,4,6-TRICHLOROPHENOL	390 U	U	410 U	380 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA				
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA				
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97				
Depth	0.00	0.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued									
2,4,5-TRICHLOROPHENOL	990 U	U	U	1,000 U	U	U	1,000 U	U	U
2-CHLORONAPHTHALENE	390 U	U	U	410 U	U	U	410 U	U	U
2-NITROANILINE	990 U	U	U	1,000 U	U	U	1,000 U	U	U
DIMETHYL PHTHALATE	390 U	U	U	410 U	U	U	410 U	U	U
ACENAPHTHYLENE	390 U	U	U	410 U	U	U	410 U	U	U
2,6-DINITROTOLUENE	390 U	U	U	410 U	U	U	410 U	U	U
3-NITROANILINE	990 U	U	U	1,000 U	U	U	1,000 U	U	U
ACENAPHTHENE	390 U	U	U	410 U	U	U	410 U	U	U
2,4-DINITROPHENOL	990 U	U	U	1,000 U	U	U	1,000 U	U	U
4-NITROPHENOL	990 U	U	U	1,000 U	U	U	1,000 U	U	U
DIBENZOFURAN	390 U	U	U	410 U	U	U	410 U	U	U
2,4-DINITROTOLUENE	390 U	U	U	410 U	U	U	410 U	U	U
DIETHYL PHTHALATE	390 U	U	U	410 U	U	U	410 U	U	U
4-CHLOROPHENYL PHENYL ETH	390 U	U	U	410 U	U	U	410 U	U	U
FLUORENE	390 U	U	U	410 U	U	U	410 U	U	U
4-NITROANILINE	990 U	U	U	1,000 U	U	U	1,000 U	U	U
4,6-DINITRO-2-METHYLPHENOL	990 U	U	U	1,000 U	U	U	1,000 U	U	U
N-NITROSODIPHENYLAMINE	390 U	U	U	410 U	U	U	410 U	U	U
4-BROMOPHENYL PHENYL ETH	390 U	U	U	410 U	U	U	410 U	U	U
HEXACHLOROBENZENE	390 U	U	U	410 U	U	U	410 U	U	U
PENTACHLOROPHENOL	990 U	U	U	1,000 U	U	U	1,000 U	U	U
PHENANTHRENE	390 U	U	U	410 U	U	U	410 U	U	U
ANTHRACENE	390 U	U	U	410 U	U	U	410 U	U	U
CARBAZOLE	390 U	U	U	410 U	U	U	410 U	U	U
DI-N-BUTYL PHTHALATE	22.0 J	J	F	410 U	U	U	410 U	U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA				
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA				
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97				
Depth	0.00	0.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued	FLUORANTHENE	390 U	U	410 U	U	380 U	410 U	U	420 U
	PYRENE	390 U	U	410 U	U	380 U	410 U	U	420 U
	BENZYL BUTYL PHTHALATE	390 U	U	410 U	U	380 U	410 U	U	420 U
	3,3'-DICHLOROBENZIDINE	390 U	U	410 U	U	380 U	410 U	U	420 U
	BENZO(A)ANTHRACENE	390 U	U	410 U	U	380 U	410 U	U	420 U
	CHRYSENE	390 U	U	410 U	U	380 U	410 U	U	420 U
	BIS(2-ETHYLHEXYL) PHTHALAT	390 U	U	410 U	U	380 U	410 U	U	420 U
	DI-N-OCTYLPHTHALATE	390 U	U	410 U	U	380 U	410 U	U	420 U
	BENZO(B)FLUORANTHENE	390 U	U	410 U	U	380 U	410 U	U	420 U
	BENZO(K)FLUORANTHENE	390 U	U	410 U	U	380 U	410 U	U	420 U
BENZO(A)PYRENE	390 U	U	410 U	U	380 U	410 U	U	420 U	
INDENOX(1,2,3-C,D)PYRENE	390 U	U	410 U	U	380 U	410 U	U	420 U	
DIBENZ(A,H)ANTHRACENE	390 U	U	410 U	U	380 U	410 U	U	420 U	
BENZO(G,H)PERYLENE	390 U	U	410 U	U	380 U	410 U	U	420 U	
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

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EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97
Depth		0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	410 U	U		420 U	U
BIS(2-CHLOROETHYL) ETHER (2	410 U	U		420 U	U
2-CHLOROPHENOL	410 U	U		420 U	U
1,3-DICHLOROBENZENE	410 U	U		420 U	U
1,4-DICHLOROBENZENE	410 U	U		420 U	U
1,2-DICHLOROBENZENE	410 U	U		420 U	U
2-METHYLPHENOL (O-CRESOL)	410 U	U		420 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	410 U	U		420 U	U
4-METHYLPHENOL (P-CRESOL)	410 U	U		420 U	U
N-NITROSODI-N-PROPYLAMINE	410 U	U		420 U	U
HEXACHLOROETHANE	410 U	U		420 U	U
NITROBENZENE	410 U	U		420 U	U
ISOPHORONE	410 U	U		420 U	U
2-NITROPHENOL	410 U	U		420 U	U
2,4-DIMETHYLPHENOL	410 U	U		420 U	U
BIS(2-CHLOROETHOXY) METHA	410 U	U		420 U	U
2,4-DICHLOROPHENOL	410 U	U		420 U	U
1,2,4-TRICHLOROBENZENE	410 U	U		420 U	U
NAPHTHALENE	410 U	U		420 U	U
4-CHLOROANILINE	410 U	U		420 U	U
HEXACHLOROBUTADIENE	410 U	U		420 U	U
4-CHLORO-3-METHYLPHENOL	410 U	U		420 U	U
2-METHYLNAPHTHALENE	410 U	U		420 U	U
HEXACHLOROCYCLOPENTADIENE	410 U	U		420 U	U
2,4,6-TRICHLOROPHENOL	410 U	U		420 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA						
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA						
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97						
Depth	0.00	0.00	0.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE		
OM31B (UG/KG) Continued	2,4,5-TRICHLOROPHENOL	1,000 U	U	980 U	U	U	1,100 U	U	U	1,000 U	H
	2-CHLORONAPHTHALENE	410 U	U	390 U	U	U	420 U	U	U	400 U	H
	2-NITROANILINE	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H,C
	DIMETHYL PHTHALATE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	ACENAPHTHYLENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	2,6-DINITROTOLUENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	3-NITROANILINE	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H
	ACENAPHTHENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	2,4-DINITROPHENOL	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H,C
	4-NITROPHENOL	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H,C
	DIBENZOFURAN	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	2,4-DINITROTOLUENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	DIETHYL PHTHALATE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	4-CHLOROPHENYL PHENYL ETH	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	FLUORENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	4-NITROANILINE	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H
	4,6-DINITRO-2-METHYLPHENOL	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H
	N-NITROSODIPHENYLAMINE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	4-BROMOPHENYL PHENYL ETH	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	HEXACHLOROBENZENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	PENTACHLOROPHENOL	1,000 U	U	950 U	U	U	1,100 U	U	U	1,000 U	H,C
	PHENANTHRENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	ANTHRACENE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	CARBAZOLE	410 U	U	380 U	U	U	420 U	U	U	400 U	H
	DI-N-BUTYL PHTHALATE	410 U	U	380 U	U	U	420 U	U	U	400 U	H

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EPA NO	B030AD	B06AAA	B06BAA	B06CAA	B06DAA
OGDEN ID	B030AD	B06AAA	B06BAA	B06CAA	B06DAA
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97
Depth		0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
FLUORANTHENE	410 U	U	U	390 U	U
PYRENE	410 U	U	U	390 U	U
BENZYL BUTYL PHTHALATE	410 U	U	U	390 U	U
3,3'-DICHLOROBENZIDINE	410 U	U	U	390 U	U
BENZO(A)ANTHRACENE	410 U	U	U	390 U	U
CHRYSENE	410 U	U	U	390 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	52.0 J	J	U	390 U	U
DI-N-OCTYL PHTHALATE	410 U	U	U	390 U	U
BENZO(B)FLUORANTHENE	410 U	U	U	390 U	U
BENZO(K)FLUORANTHENE	410 U	U	U	390 U	U
BENZO(A)PYRENE	410 U	U	U	390 U	U
INDENO(1,2,3-C,D)PYRENE	410 U	U	U	390 U	U
DIBENZ(A,H)ANTHRACENE	410 U	U	U	390 U	U
BENZO(G,H)PERYLENE	410 U	UJ	U	390 U	U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

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EPA NO	B06E/AA	B06E/AD	B07AAA	B07BAA	B07CAA
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	380 U	U	380 U	420 U	440 U
BIS(2-CHLOROETHYL) ETHER (2	380 U	U	380 U	420 U	440 U
2-CHLOROPHENOL	380 U	U	380 U	420 U	440 U
1,3-DICHLOROBENZENE	380 U	U	380 U	420 U	440 U
1,4-DICHLOROBENZENE	380 U	U	380 U	420 U	440 U
1,2-DICHLOROBENZENE	380 U	U	380 U	420 U	440 U
2-METHYLPHENOL (O-CRESOL)	380 U	U	380 U	420 U	440 U
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	U	380 U	420 U	440 U
4-METHYLPHENOL (P-CRESOL)	380 U	U	380 U	420 U	440 U
N-NITROSODI-N-PROPYLAMINE	380 U	U	380 U	420 U	440 U
HEXACHLOROETHANE	380 U	U	380 U	420 U	440 U
NITROBENZENE	380 U	U	380 U	420 U	440 U
ISOPHORONE	380 U	U	380 U	420 U	440 U
2-NITROPHENOL	380 U	U	380 U	420 U	440 U
2,4-DIMETHYLPHENOL	380 U	U	380 U	420 U	440 U
BIS(2-CHLOROETHOXY) METHA	380 U	U	380 U	420 U	440 U
2,4-DICHLOROPHENOL	380 U	U	380 U	420 U	440 U
1,2,4-TRICHLOROBENZENE	380 U	U	380 U	420 U	440 U
NAPHTHALENE	380 U	U	380 U	420 U	440 U
4-CHLOROANILINE	380 U	U	380 U	420 U	440 U
HEXACHLOROBTADIENE	380 U	U	380 U	420 U	440 U
4-CHLORO-3-METHYLPHENOL	380 U	U	380 U	420 U	440 U
2-METHYLNAPHTHALENE	380 U	U	380 U	420 U	440 U
HEXACHLOROCYCLOPENTADIE	380 U	UJ C	380 U	420 U	440 U
2,4,6-TRICHLOROPHENOL	380 U	U	380 U	420 U	440 U

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GROUP E: Soil Data for Method OM31B

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	950 U	U	950 U	U	1,100 U
2-CHLORONAPHTHALENE	380 U	U	380 U	U	440 U
2-NITROANILINE	950 U	U	950 U	U	1,100 U
DIMETHYL PHTHALATE	380 U	U	380 U	U	440 U
ACENAPHTHYLENE	380 U	U	380 U	U	440 U
2,6-DINITROTOLUENE	380 U	U	380 U	U	440 U
3-NITROANILINE	950 U	UJ	950 U	U	1,100 U
ACENAPHTHENE	380 U	U	380 U	U	440 U
2,4-DINITROPHENOL	950 U	U	950 U	UJ	1,100 U
4-NITROPHENOL	950 U	U	950 U	U	1,100 U
DIBENZOFURAN	380 U	U	380 U	U	440 U
2,4-DINITROTOLUENE	380 U	U	380 U	U	440 U
DIETHYL PHTHALATE	380 U	U	380 U	U	440 U
4-CHLOROPHENYL PHENYL ETH	380 U	U	380 U	U	440 U
FLUORENE	380 U	U	380 U	U	440 U
4-NITROANILINE	950 U	UJ	950 U	U	1,100 U
4,6-DINITRO-2-METHYLPHENOL	950 U	U	950 U	U	1,100 U
N-NITROSODIPHENYLAMINE	380 U	U	380 U	U	440 U
4-BROMOPHENYL PHENYL ETH	380 U	U	380 U	U	440 U
HEXACHLOROBENZENE	380 U	U	380 U	U	440 U
PENTACHLOROPHENOL	950 U	U	950 U	UJ	1,100 U
PHENANTHRENE	380 U	U	380 U	U	24.0 J
ANTHRACENE	380 U	U	380 U	U	440 U
CARBAZOLE	380 U	UJ	380 U	U	440 U
DI-N-BUTYL PHTHALATE	380 U	U	380 U	U	440 U

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GROUP E: Soil Data for Method OM31B

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA					
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA					
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97					
Depth	0.00	0.00	0.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	
OM31B (UG/KG) Continued										
FLUORANTHENE	380 U	U	U	380 U	U	U	19.0 J	J	34.0 J	J
PYRENE	380 U	U	U	380 U	U	U	420 U	U	27.0 J	J
BENZYL BUTYL PHTHALATE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
3,3'-DICHLOROBENZIDINE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
BENZO(A)ANTHRACENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
CHRYSENE	380 U	U	U	380 U	U	U	420 U	U	22.0 J	J
BIS(2-ETHYLHEXYL) PHTHALAT	380 U	U	J	380 U	U	U	420 U	U	440 U	U
DI-N-OCTYL PHTHALATE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
BENZO(B)FLUORANTHENE	380 U	U	U	380 U	U	U	420 U	U	33.0 JY	J
BENZO(K)FLUORANTHENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
BENZO(A)PYRENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
INDENO(1,2,3-C,D)PYRENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
DIBENZ(A,H)ANTHRACENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
BENZO(G,H)PERYLENE	380 U	U	U	380 U	U	U	420 U	U	440 U	U
BIS(2-CHLOROETHYL) ETHER (2-										
BIS(2-CHLOROETHOXY)METHAN										
CARBOZOLE										
DEBENZ(A,H)ANTHRACENE										

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

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EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG)					
PHENOL	400 U	420 U	U	390 U	380 U
BIS(2-CHLOROETHYL) ETHER (2	400 U	420 U	U	390 U	380 U
2-CHLOROPHENOL	400 U	420 U	U	390 U	380 U
1,3-DICHLOROBENZENE	400 U	420 U	U	390 U	380 U
1,4-DICHLOROBENZENE	400 U	420 U	U	390 U	380 U
1,2-DICHLOROBENZENE	400 U	420 U	U	390 U	380 U
2-METHYLPHENOL (O-CRESOL)	400 U	420 U	U	390 U	380 U
2,2'-OXYBIS(1-CHLORO)PROPAN	400 U	420 U	U	390 U	380 U
4-METHYLPHENOL (P-CRESOL)	400 U	420 U	U	390 U	380 U
N-NITROSODI-N-PROPYLAMINE	400 U	420 U	U	390 U	380 U
HEXACHLOROETHANE	400 U	420 U	U	390 U	380 U
NITROBENZENE	400 U	420 U	U	390 U	380 U
ISOPHORONE	400 U	420 U	U	390 U	380 U
2-NITROPHENOL	400 U	420 U	U	390 U	380 U
2,4-DIMETHYLPHENOL	400 U	420 U	U	390 U	380 U
BIS(2-CHLOROETHOXY) METHA	400 U	420 U	U	390 U	380 U
2,4-DICHLOROPHENOL	400 U	420 U	U	390 U	380 U
1,2,4-TRICHLOROBENZENE	400 U	420 U	U	390 U	380 U
NAPHTHALENE	400 U	420 U	U	390 U	380 U
4-CHLOROANILINE	400 U	420 U	U	390 U	380 U
HEXACHLOROBUTADIENE	400 U	420 U	U	390 U	380 U
4-CHLORO-3-METHYLPHENOL	400 U	420 U	U	390 U	380 U
2-METHYLNAPHTHALENE	400 U	420 U	U	390 U	380 U
HEXACHLOROCYCLOPENTADIENE	400 U	420 U	UJ C	390 U	380 U
2,4,6-TRICHLOROPHENOL	400 U	420 U	U	390 U	380 U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

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EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	1,000 U	U	U	990 U	U
2-CHLORONAPHTHALENE	400 U	U	U	390 U	U
2-NITROANILINE	1,000 U	U	U	990 U	U
DIMETHYL PHTHALATE	400 U	U	U	390 U	U
ACENAPHTHYLENE	400 U	U	U	390 U	U
2,6-DINITROTOLUENE	400 U	U	U	390 U	U
3-NITROANILINE	1,000 U	U	U	990 U	U
ACENAPHTHENE	400 U	U	U	390 U	U
2,4-DINITROPHENOL	1,000 U	UJ	C	990 U	UJ C
4-NITROPHENOL	1,000 U	U	U	990 U	U
DIBENZOFURAN	400 U	U	U	390 U	U
2,4-DINITROTOLUENE	400 U	U	U	390 U	U
DIETHYL PHTHALATE	400 U	U	U	390 U	U
4-CHLOROPHENYL PHENYL ETH	400 U	U	U	390 U	U
FLUORENE	400 U	U	U	390 U	U
4-NITROANILINE	1,000 U	U	U	990 U	U
4,6-DINITRO-2-METHYLPHENOL	1,000 U	U	U	990 U	U
N-NITROSODIPHENYLAMINE	400 U	U	U	390 U	U
4-BROMOPHENYL PHENYL ETH	400 U	U	U	390 U	U
HEXACHLOROBENZENE	400 U	U	U	390 U	U
PENTACHLOROPHENOL	1,000 U	UJ	C	990 U	U
PHENANTHRENE	400 U	U	U	390 U	U
ANTHRACENE	400 U	U	U	390 U	U
CARBAZOLE	400 U	U	U	390 U	UJ C
DI-N-BUTYL PHTHALATE	400 U	U	U	390 U	U

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Validated MMR Data for SDGs 1-17, 28-30

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GROUP E: Soil Data for Method OM31B

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	400 U	420 U	U	390 U	380 U
PYRENE	400 U	420 U	U	390 U	380 U
BENZYL BUTYL PHTHALATE	400 U	420 U	U	390 U	380 U
3,3'-DICHLOBENZIDINE	400 U	420 U	U	390 U	380 U
BENZO(A)ANTHRACENE	400 U	420 U	U	390 U	380 U
CHRYSENE	400 U	420 U	U	390 U	380 U
BIS(2-ETHYLHEXYL) PHTHALAT	400 U	420 U	U	390 U	380 U
DI-N-OCTYLPHTHALATE	400 U	420 U	U	390 U	380 U
BENZO(B)FLUORANTHENE	400 U	420 U	U	390 U	380 U
BENZO(K)FLUORANTHENE	400 U	420 U	U	390 U	380 U
BENZO(A)PYRENE	400 U	420 U	U	390 U	380 U
INDENO(1,2,3-C,D)PYRENE	400 U	420 U	U	390 U	380 U
DIBENZ(A,H)ANTHRACENE	400 U	420 U	U	390 U	380 U
BENZO(G,H,I)PERYLENE	400 U	420 U	U	390 U	380 U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA				
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA				
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97				
Depth	0.00	0.00	0.00	20.00	?				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG)									
PHENOL	370 U	U	U	540 U	U	U	440 U	U	U
BIS(2-CHLOROETHYL) ETHER (2	370 U	U	U	540 U	U	U	440 U	U	U
2-CHLOROPHENOL	370 U	U	U	540 U	U	U	440 U	U	U
1,3-DICHLOROBENZENE	370 U	U	U	540 U	U	U	440 U	U	U
1,4-DICHLOROBENZENE	370 U	U	U	540 U	U	U	440 U	U	U
1,2-DICHLOROBENZENE	370 U	U	U	540 U	U	U	440 U	U	U
2-METHYLPHENOL (O-CRESOL)	370 U	U	U	540 U	U	U	440 U	U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	370 U	U	U	540 U	U	U	440 U	U	U
4-METHYLPHENOL (P-CRESOL)	370 U	U	U	540 U	U	U	440 U	U	U
N-NITROSODI-N-PROPYL AMINE	370 U	U	U	540 U	U	U	440 U	U	U
HEXACHLOROETHANE	370 U	U	U	540 U	U	U	440 U	U	U
NITROBENZENE	370 U	U	U	540 U	U	U	440 U	U	U
ISOPHORONE	370 U	U	U	540 U	U	U	440 U	U	U
2-NITROPHENOL	370 U	U	U	540 U	U	U	440 U	U	U
2,4-DIMETHYLPHENOL	370 U	U	U	540 U	U	U	440 U	U	U
BIS(2-CHLOROETHOXY) METHA	370 U	U	U	540 U	U	U	440 U	U	U
2,4-DICHLOROPHENOL	370 U	U	U	540 U	U	U	440 U	U	U
1,2,4-TRICHLOROBENZENE	370 U	U	U	540 U	U	U	440 U	U	U
NAPHTHALENE	370 U	U	U	540 U	U	U	440 U	U	U
4-CHLOROANILINE	370 U	U	U	540 U	U	U	440 U	U	U
HEXACHLORO BUTADIENE	370 U	U	U	540 U	U	U	440 U	U	U
4-CHLORO-3-METHYLPHENOL	370 U	U	U	540 U	U	U	440 U	U	U
2-METHYLNAPHTHALENE	370 U	U	U	540 U	U	U	440 U	U	U
HEXACHLORO CYCLOPENTADIE	370 U	UJ	C	540 U	UJ	C	440 U	UJ	C
2,4,6-TRICHLOROPHENOL	370 U	U	U	540 U	U	U	440 U	U	U

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GROUP E: Soil Data for Method OM31B

EPa NO	B08CAA	B08DAA	B08FAA	B08EAD	B08EDA
OGDEN ID	B08CAA	B08DAA	B08FAA	B08EAD	B08EDA
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	20.00	?
Method	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
Analyte	LAB QUAL CODE	LAB QUAL CODE	LAB QUAL CODE	LAB QUAL CODE	LAB QUAL CODE
REV QUAL CODE	REV QUAL CODE	REV QUAL CODE	REV QUAL CODE	REV QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	920 U	1,100 U	1,400 U	1,100 U	1,100 U
2-CHLORONAPHTHALENE	370 U	430 U	540 U	440 U	440 U
2-NITROANILINE	920 U	1,100 U	1,400 U	1,100 U	1,100 U
DIMETHYL PHTHALATE	370 U	430 U	540 U	440 U	440 U
ACENAPHTHYLENE	370 U	430 U	540 U	440 U	440 U
2,6-DINITROTOLUENE	370 U	430 U	540 U	440 U	440 U
3-NITROANILINE	920 U	1,100 U	1,400 U	1,100 U	1,100 U
ACENAPHTHENE	370 U	430 U	540 U	440 U	440 U
2,4-DINITROPHENOL	920 U	1,100 U	1,400 U	1,100 U	1,100 U
4-NITROPHENOL	920 U	1,100 U	1,400 U	1,100 U	1,100 U
DIBENZOFURAN	370 U	430 U	540 U	440 U	440 U
2,4-DINITROTOLUENE	370 U	430 U	540 U	440 U	440 U
DIETHYL PHTHALATE	370 U	430 U	540 U	440 U	440 U
4-CHLOROPHENYL PHENYL ETH	370 U	430 U	540 U	440 U	440 U
FLUORENE	370 U	430 U	540 U	440 U	440 U
4-NITROANILINE	920 U	1,100 U	1,400 U	1,100 U	1,100 U
4,6-DINITRO-2-METHYLPHENOL	920 U	1,100 U	1,400 U	1,100 U	1,100 U
N-NITROSODIPHENYLAMINE	370 U	430 U	540 U	440 U	440 U
4-BROMOPHENYL PHENYL ETH	370 U	430 U	540 U	440 U	440 U
HEXACHLOROBENZENE	370 U	430 U	540 U	440 U	440 U
PENTACHLOROPHENOL	920 U	1,100 U	1,400 U	1,100 U	1,100 U
PHENANTHRENE	370 U	430 U	540 U	440 U	440 U
ANTHRACENE	370 U	430 U	540 U	440 U	440 U
CARBAZOLE	370 U	430 U	540 U	440 U	440 U
DI-N-BUTYL PHTHALATE	370 U	430 U	540 U	440 U	440 U

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GROUP E: Soil Data for Method OM31B

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	20.00	?
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	370 U	U	U	23.0 J	J
PYRENE	370 U	U	U	21.0 J	J
BENZYL BUTYL PHTHALATE	370 U	U	U	440 U	U
3,3'-DICHLOOROBENZIDINE	370 U	U	U	440 U	U
BENZO(A)ANTHRACENE	370 U	U	U	440 U	U
CHRYSENE	370 U	U	U	25.0 J	J
BIS(2-ETHYLIEXYL) PHTHALAT	370 U	U	U	440 U	U
DI-N-OCTYLPHTHALATE	370 U	U	U	440 U	U
BENZO(B)FLUORANTHENE	370 U	U	U	24.0 JY	J
BENZO(K)FLUORANTHENE	370 U	U	U	440 U	U
BENZO(A)PYRENE	370 U	U	U	440 U	U
INDENO(1,2,3-C,D)PYRENE	370 U	U	U	440 U	U
DIBENZ(A,H)ANTHRACENE	370 U	U	U	440 U	U
BENZO(G,H)PERYLENE	370 U	U	U	440 U	U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	440 U	U	U	440 U	U
BIS(2-CHLOROETHYL) ETHER (2	440 U	U	U	440 U	U
2-CHLOROPHENOL	440 U	U	U	440 U	U
1,3-DICHLOROBENZENE	440 U	U	U	440 U	U
1,4-DICHLOROBENZENE	440 U	U	U	440 U	U
1,2-DICHLOROBENZENE	440 U	U	U	440 U	U
2-METHYLPHENOL (O-CRESOL)	440 U	U	U	440 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	440 U	U	U	440 U	U
4-METHYLPHENOL (P-CRESOL)	440 U	U	U	440 U	U
N-NITROSODI-N-PROPYLAMINE	440 U	U	U	440 U	U
HEXACHLOROETHANE	440 U	U	U	440 U	U
NITROBENZENE	440 U	U	U	440 U	U
ISOPHORONE	440 U	U	U	440 U	U
2-NITROPHENOL	440 U	U	U	440 U	U
2,4-DIMETHYLPHENOL	440 U	U	U	440 U	U
BIS(2-CHLOROETHOXY) METHA	440 U	U	U	440 U	U
2,4-DICHLOROPHENOL	440 U	U	U	440 U	U
1,2,4-TRICHLOROBENZENE	440 U	U	U	440 U	U
NAPHTHALENE	440 U	U	U	440 U	U
4-CHLOROANILINE	440 U	U	U	440 U	U
HEXACHLOROBUTADIENE	440 U	U	U	440 U	U
4-CHLORO-3-METHYLPHENOL	440 U	U	U	440 U	U
2-METHYLNAPHTHALENE	440 U	U	U	440 U	U
HEXACHLOROCYCLOPENTADIENE	440 U	UJ C	UJ C	440 U	UJ C
2,4,6-TRICHLOROPHENOL	440 U	U	U	440 U	U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

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EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA	
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA	
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97	
Depth						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued						
2,4,5-TRICHLOROPHENOL	1,100 U	U		1,200 U	U	990 U
2-CHLORONAPHTHALENE	440 U	U		480 U	U	390 U
2-NITROANILINE	1,100 U	U		1,200 U	U	990 U
DIMETHYL PHTHALATE	440 U	U		480 U	U	390 U
ACENAPHTHYLENE	440 U	U		480 U	U	390 U
2,6-DINITROTOLUENE	440 U	U		480 U	U	390 U
3-NITROANILINE	1,100 U	UJ		1,200 U	U	990 U
ACENAPHTHENE	440 U	U		480 U	U	390 U
2,4-DINITROPHENOL	1,100 U	U		1,200 U	U	990 U
4-NITROPHENOL	1,100 U	U		1,200 U	U	990 U
DIBENZOFURAN	440 U	U		480 U	U	390 U
2,4-DINITROTOLUENE	440 U	U		480 U	U	390 U
DIETHYL PHTHALATE	440 U	U		480 U	U	390 U
4-CHLOROPHENYL PHENYL ETH	440 U	U		480 U	U	390 U
FLUORENE	440 U	U		480 U	U	390 U
4-NITROANILINE	1,100 U	U		1,200 U	U	990 U
4,6-DINITRO-2-METHYLPHENOL	1,100 U	U		1,200 U	U	990 U
N-NITROSODIPHENYLAMINE	440 U	U		480 U	U	390 U
4-BROMOPHENYL PHENYL ETH	440 U	U		480 U	U	390 U
HEXACHLOROBENZENE	440 U	U		480 U	U	390 U
PENTACHLOROPHENOL	1,100 U	U		1,200 U	U	990 U
PHENANTHRENE	440 U	U		480 U	U	390 U
ANTHRACENE	440 U	U		480 U	U	390 U
CARBAZOLE	440 U	UJ		480 U	U	390 U
DI-N-BUTYL PHTHALATE	440 U	U		480 U	U	390 U

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GROUP E: Soil Data for Method OM31B

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA						
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA						
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97						
Depth											
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL		
OM31B (UG/KG) Continued	FLUORANTHENE	440 U	U		480 U	U		440 U	U	390 U	U
	PYRENE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZYL BUTYL PHTHALATE	440 U	U		480 U	U		440 U	U	390 U	U
	3,3'-DICHLOROBENZIDINE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZO(A)ANTHRACENE	440 U	U		480 U	U		440 U	U	390 U	U
	CHRYSENE	440 U	U		480 U	U		440 U	U	390 U	U
	BIS(2-ETHYLHEXYL) PHTHALAT	440 U	U		480 U	U		440 U	U	390 U	U
	DI-N-OCTYL PHTHALATE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZO(B)FLUORANTHENE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZO(K)FLUORANTHENE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZO(A)PYRENE	440 U	U		480 U	U		440 U	U	390 U	U
	INDENO(1,2,3-C,D)PYRENE	440 U	U		480 U	U		440 U	U	390 U	U
	DIBENZ(A,H)ANTHRACENE	440 U	U		480 U	U		440 U	U	390 U	U
	BENZO(G,H,I,P)PERYLENE	440 U	U		480 U	U		440 U	U	390 U	U
	BIS(2-CHLOROETHYL)ETHER (2-										
	BIS(2-CHLOROETHOXY)METHAN										
CARBOZOLE											
DEBENZ(A,H)ANTHRACENE											

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GROUP E: Soil Data for Method OM31B

EPA NO	BI1EAD	BI3AAA	BI3BAA	BI3CAA	BI3DAA
OGDEN ID	BI1EAD	BI3AAA	BI3BAA	BI3CAA	BI3DAA
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG)					
PHENOL	410 U	U		390 U	UJ C
BIS(2-CHLOROETHYL) ETHER (2	410 U	U		390 U	U
2-CHLOROPHENOL	410 U	U		390 U	U
1,3-DICHLOROBENZENE	410 U	U		390 U	U
1,4-DICHLOROBENZENE	410 U	U		390 U	U
1,2-DICHLOROBENZENE	410 U	U		390 U	U
2-METHYLPHENOL (O-CRESOL)	410 U	U		390 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	410 U	U		390 U	UJ C
4-METHYLPHENOL (P-CRESOL)	410 U	U		390 U	U
N-NITROSODI-N-PROPYLAMINE	410 U	U		390 U	U
HEXACHLOROETHANE	410 U	U		390 U	U
NITROBENZENE	410 U	U		390 U	U
ISOPHORONE	410 U	U		390 U	U
2-NITROPHENOL	410 U	U		390 U	U
2,4-DIMETHYLPHENOL	410 U	U		390 U	U
BIS(2-CHLOROETHOXY) METHA	410 U	U		390 U	U
2,4-DICHLOROPHENOL	410 U	U		390 U	U
1,2,4-TRICHLOROBENZENE	410 U	U		390 U	U
NAPHTHALENE	410 U	U		390 U	U
4-CHLOROANILINE	410 U	U		390 U	U
HEXACHLOROBUTADIENE	410 U	U		390 U	U
4-CHLORO-3-METHYLPHENOL	410 U	U		390 U	U
2-METHYLNAPHTHALENE	410 U	U		390 U	U
HEXACHLOROCYCLOPENTADIENE	410 U	UJ C		390 U	U
2,4,6-TRICHLOROPHENOL	410 U	U		390 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	ANALYTICAL RESULT	LAB REV QUAL	ANALYTICAL RESULT
		QUAL CODE		QUAL CODE	
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	1,000 U	U	890 U	U	1,000 U
2-CHLORONAPHTHALENE	410 U	U	350 U	U	400 U
2-NITROANILINE	1,000 U	U	890 U	U	1,000 U
DIMETHYL PHTHALATE	410 U	U	350 U	U	400 U
ACENAPHTHYLENE	410 U	U	350 U	U	400 U
2,6-DINITROTOLUENE	410 U	U	350 U	U	400 U
3-NITROANILINE	1,000 U	U	890 U	U	1,000 U
ACENAPHTHENE	410 U	U	350 U	U	400 U
2,4-DINITROPHENOL	1,000 U	U	890 U	U	1,000 U
4-NITROPHENOL	1,000 U	U	890 U	UJ C	1,000 U
DIBENZOFURAN	410 U	U	350 U	U	400 U
2,4-DINITROTOLUENE	410 U	U	350 U	U	400 U
DIEETHYL PHTHALATE	410 U	U	350 U	U	400 U
4-CHLOROPHENYL PHENYL ETH	410 U	U	350 U	U	400 U
FLUORENE	410 U	U	350 U	U	400 U
4-NITROANILINE	1,000 U	U	890 U	U	1,000 U
4,6-DINITRO-2-METHYLPHENOL	1,000 U	U	890 U	U	1,000 U
N-NITROSODIPHENYL AMINE	410 U	U	350 U	U	400 U
4-BROMOPHENYL PHENYL ETH	410 U	U	350 U	U	400 U
HEXACHLOROBENZENE	410 U	U	350 U	U	400 U
PENTACHLOROPHENOL	1,000 U	U	890 U	U	1,000 U
PHENANTHRENE	410 U	U	350 U	U	400 U
ANTHRACENE	410 U	U	350 U	U	400 U
CARBAZOLE	410 U	U	350 U	U	400 U
DI-N-BUTYL PHTHALATE	410 U	U	350 U	U	400 U

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GROUP E: Soil Data for Method OM31B

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
FLUORANTHENE	410 U	350 U	U	390 U	400 U
PYRENE	410 U	350 U	U	390 U	400 U
BENZYL BUTYL PHTHALATE	410 U	350 U	U	390 U	400 U
3,3'-DICHLOROBENZIDINE	410 U	350 U	U	390 U	400 U
BENZO(A)ANTHRACENE	410 U	350 U	U	390 U	400 U
CHRYSENE	410 U	350 U	U	390 U	400 U
BIS(2-ETHYLHEXYL) PHTHALAT	410 U	350 U	U	390 U	400 U
DI-N-OCTYL PHTHALATE	410 U	350 U	U	390 U	400 U
BENZO(B)FLUORANTHENE	410 U	350 U	U	390 U	400 U
BENZO(K)FLUORANTHENE	410 U	350 U	U	390 U	400 U
BENZO(A)PYRENE	410 U	350 U	U	390 U	400 U
INDENO(1,2,3-C,D)PYRENE	410 U	350 U	U	390 U	400 U
DIBENZ(A,H)ANTHRACENE	410 U	350 U	U	390 U	400 U
BENZO(G,H,I)PERYLENE	410 U	350 U	U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	B13EAA	B13EAD	B15AAA	B15BAD
OGDEN ID	B13EAA	B13EAD	B15BAA	B15BAD
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97
Depth				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE
OM31B (UG/KG)				
PHENOL	380 U	UJ	UJ	C
BIS(2-CHLOROETHYL) ETHER (2	380 U	U	U	
2-CHLOROPHENOL	380 U	U	U	
1,3-DICHLOROBENZENE	380 U	U	U	
1,4-DICHLOROBENZENE	380 U	U	U	
1,2-DICHLOROBENZENE	380 U	U	U	
2-METHYLPHENOL (O-CRESOL)	380 U	U	U	
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	UJ	UJ	C
4-METHYLPHENOL (P-CRESOL)	380 U	U	U	
N-NITROSODI-N-PROPYLAMINE	380 U	U	U	
HEXACHLOROETHANE	380 U	U	U	
NITROBENZENE	380 U	U	U	
ISOPHORONE	380 U	U	U	
2-NITROPHENOL	380 U	U	U	
2,4-DIMETHYLPHENOL	380 U	U	U	
BIS(2-CHLOROETHOXY) METHA	380 U	U	U	
2,4-DICHLOROPHENOL	380 U	U	U	
1,2,4-TRICHLOROBENZENE	380 U	U	U	
NAPHTHALENE	380 U	U	U	
4-CHLOROANILINE	380 U	U	U	
HEXACHLOROBTADIENE	380 U	U	U	
4-CHLORO-3-METHYLPHENOL	380 U	U	U	
2-METHYLNAPHTHALENE	380 U	U	U	
HEXACHLOROCYCLOPENTADIE	380 U	U	UJ	C
2,4,6-TRICHLOROPHENOL	380 U	U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	BI3EAA	BI3EAD	BI5AAA	BI5BAB	BI5BAD
OGDEN ID	BI3EAA	BI3EAD	BI5AAA	BI5BAB	BI5BAD
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	940 U	U		880 U	U
2-CHLORONAPHTHALENE	380 U	U		350 U	U
2-NITROANILINE	940 U	U		880 U	U
DIMETHYL PHTHALATE	380 U	U		350 U	U
ACENAPHTHYLENE	380 U	U		350 U	U
2,6-DINITROTOLUENE	380 U	U		350 U	U
3-NITROANILINE	940 U	U		880 U	U
ACENAPHTHENE	380 U	U		350 U	U
2,4-DINITROPHENOL	940 U	U		880 U	U
4-NITROPHENOL	940 U	UJ		880 U	U
DIBENZOFURAN	380 U	U		350 U	U
2,4-DINITROTOLUENE	380 U	U		350 U	U
DIETHYL PHTHALATE	380 U	U		350 U	U
4-CHLOROPHENYL PHENYL ETH	380 U	U		350 U	U
FLUORENE	380 U	U		350 U	U
4-NITROANILINE	940 U	U		880 U	U
4,6-DINITRO-2-METHYLPHENOL	940 U	U		880 U	U
N-NITROSODIPHENYL AMINE	380 U	U		350 U	U
4-BROMOPHENYL PHENYL ETH	380 U	U		350 U	U
HEXACHLOROBENZENE	380 U	U		350 U	U
PENTACHLOROPHENOL	940 U	U		880 U	U
PHENANTHRENE	380 U	U		350 U	U
ANTHRACENE	380 U	U		350 U	U
CARBAZOLE	380 U	U		350 U	U
DI-N-BUTYL PHTHALATE	380 U	U		350 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
FLUORANTHENE	380 U	U	U	350 U	U
PYRENE	380 U	U	U	350 U	U
BENZYL BUTYL PHTHALATE	380 U	U	U	350 U	U
3,3'-DICHLOROBENZIDINE	380 U	U	U	350 U	U
BENZO(A)ANTHRACENE	380 U	U	U	350 U	U
CHRYSENE	380 U	U	U	350 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	380 U	U	U	350 U	U
DL-N-OCTYL PHTHALATE	380 U	U	U	350 U	U
BENZO(B)FLUORANTHENE	380 U	U	U	350 U	U
BENZO(K)FLUORANTHENE	380 U	U	U	350 U	U
BENZO(A)PYRENE	380 U	U	U	350 U	U
INDENO(1,2,3-C,D)PYRENE	380 U	U	U	350 U	U
DIBENZ(A,H)ANTHRACENE	380 U	U	U	350 U	U
BENZO(G,H,I)PERYLENE	380 U	U	U	350 U	U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
OGDEN ID	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
Date Sampled	10/29/97	10/29/97	8/20/97	8/20/97	8/20/97
Depth			0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	370 U	UJ C		380 U	U
BIS(2-CHLOROETHYL) ETHER (2	370 U	U		380 U	U
2-CHLOROPHENOL	370 U	U		380 U	U
1,3-DICHLOROBENZENE	370 U	U		380 U	U
1,4-DICHLOROBENZENE	370 U	U		380 U	U
1,2-DICHLOROBENZENE	370 U	U		380 U	U
2-METHYLPHENOL (O-CRESOL)	370 U	U		380 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	370 U	UJ C		380 U	U
4-METHYLPHENOL (P-CRESOL)	370 U	U		380 U	U
N-NITROSODI-N-PROPYLAMINE	370 U	U		380 U	U
HEXACHLOROETHANE	370 U	U		380 U	U
NITROBENZENE	370 U	U		380 U	U
ISOPHORONE	370 U	U		380 U	U
2-NITROPHENOL	370 U	U		380 U	U
2,4-DIMETHYLPHENOL	370 U	U		380 U	U
BIS(2-CHLOROETHOXY) METHA	370 U	U		380 U	U
2,4-DICHLOROPHENOL	370 U	U		380 U	U
1,2,4-TRICHLOROBENZENE	370 U	U		380 U	U
NAPHTHALENE	370 U	U		380 U	U
4-CHLOROANILINE	370 U	U		380 U	U
HEXACHLOROBTADIENE	370 U	U		380 U	U
4-CHLORO-3-METHYLPHENOL	370 U	U		380 U	U
2-METHYLNAPHTHALENE	370 U	U		380 U	U
HEXACHLOROCYCLOPENTADIE	370 U	U		380 U	UJ C
2,4,6-TRICHLOROPHENOL	370 U	U		380 U	U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

EPA NO	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
OGDEN ID	BOPAAA	BOPBAA	S00DAA	S01DAA	S01DAD
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97
Depth			0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	ANALYTICAL RESULT	LAB QUAL	ANALYTICAL RESULT
		QUAL CODE		QUAL CODE	
		REV QUAL		REV QUAL	
		QUAL CODE		QUAL CODE	
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	920 U	U	840 U	UJ	950 U
2-CHLORONAPHTHALENE	370 U	U	330 U	UJ	380 U
2-NITROANILINE	920 U	U	840 U	UJ	950 U
DIMETHYL PHTHALATE	370 U	U	330 U	UJ	380 U
ACENAPHTHYLENE	370 U	U	330 U	UJ	380 U
2,6-DINITROTOLUENE	370 U	U	4,500 E	R	380 U
3-NITROANILINE	920 U	U	840 U	UJ	950 U
ACENAPHTHENE	370 U	U	330 U	UJ	380 U
2,4-DINITROPHENOL	920 U	U	840 U	UJ	950 U
4-NITROPHENOL	920 U	UJ	840 U	UJ	950 U
DIBENZOFURAN	370 U	U	6,200 E	R	380 U
2,4-DINITROTOLUENE	370 U	U	6,300 E	R	380 U
DIETHYL PHTHALATE	370 U	U	330 U	UJ	380 U
4-CHLOROPHENYL PHENYL ETH	370 U	U	330 U	UJ	380 U
FLUORENE	370 U	U	10,000 E	R	380 U
4-NITROANILINE	920 U	U	840 U	UJ	950 U
4,6-DINITRO-2-METHYLPHENOL	920 U	U	840 U	UJ	950 U
N-NITROSODIPHENYL AMINE	370 U	U	330 U	UJ	380 U
4-BROMOPHENYL PHENYL ETH	370 U	U	7,400 E	R	380 U
HEXACHLOROBENZENE	370 U	U	330 U	UJ	380 U
PENTACHLOROPHENOL	920 U	U	4,400 E	R	950 U
PHENANTHRENE	370 U	U	330 U	UJ	380 U
ANTHRACENE	370 U	U	7,400 E	R	380 U
CARBAZOLE	370 U	U	330 U	UJ	380 U
DI-N-BUTYL PHTHALATE	370 U	U	170 J	J	380 U

GROUP E: Soil Data for Method OM31B

EPA NO	BOPAAA	BOPBAA	S00DAAAa	S01DAA	S01DAD
OGDEN ID	BOPAAA	BOPBAA	S00DAAA	S01DAA	S01DAD
Date Sampled	10/29/97	10/29/97	8/27/97	8/20/97	8/20/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	20.0 J	390 U	330 U	380 U	61.0 J
PYRENE	25.0 J	390 U	4,300 E	380 U	53.0 J
BENZYL BUTYL PHTHALATE	370 U	390 U	2,400	380 U	380 U
3,3'-DICHLOROBENZIDINE	370 U	390 U	330 U	380 U	380 U
BENZO(A)ANTHRACENE	370 U	390 U	330 U	380 U	47.0 J
CHRYSENE	370 U	390 U	4,500 E	380 U	89.0 J
BIS(2-ETHYLHEXYL) PHTHALAT	370 U	390 U	12,000 E	380 U	31.0 J
DI-N-OCTYL PHTHALATE	370 U	390 U	330 U	380 U	380 U
BENZO(B)FLUORANTHENE	370 U	390 U	330 U	380 U	66.0 J
BENZO(K)FLUORANTHENE	370 U	390 U	6,800 E	380 U	65.0 J
BENZO(A)PYRENE	370 U	390 U	330 U	380 U	380 U
INDENO(1,2,3-C,D)PYRENE	370 U	390 U	330 U	380 U	380 U
DIBENZ(A,H)ANTHRACENE	370 U	390 U	330 U	380 U	380 U
BENZO(G,H,I)PERYLENE	370 U	390 U	330 U	380 U	380 U
BIS(2-CHLOROETHYL) ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
OGDEN ID	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
Date Sampled	8/20/97	8/21/97	8/21/97	8/20/97	8/20/97
Depth	10.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	340 U	U	U	480 U	U
BIS(2-CHLOROETHYL) ETHER (2	340 U	U	U	480 U	U
2-CHLOROPHENOL	340 U	U	U	480 U	U
1,3-DICHLOROBENZENE	340 U	U	U	480 U	U
1,4-DICHLOROBENZENE	340 U	U	U	480 U	U
1,2-DICHLOROBENZENE	340 U	U	U	480 U	U
2-METHYLPHENOL (O-CRESOL)	340 U	U	U	480 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	340 U	U	U	480 U	U
4-METHYLPHENOL (P-CRESOL)	340 U	U	U	480 U	U
N-NITROSODI-N-PROPYLAMINE	340 U	U	U	480 U	U
HEXACHLOROETHANE	340 U	U	U	480 U	U
NITROBENZENE	340 U	U	U	480 U	U
ISOPHORONE	340 U	U	U	480 U	U
2-NITROPHENOL	340 U	U	U	480 U	U
2,4-DIMETHYLPHENOL	340 U	U	U	480 U	U
BIS(2-CHLOROETHOXY) METHA	340 U	U	U	480 U	U
2,4-DICHLOROPHENOL	340 U	U	U	480 U	U
1,2,4-TRICHLOROBENZENE	340 U	U	U	480 U	U
NAPHTHALENE	340 U	U	U	480 U	U
4-CHLOROANILINE	340 U	U	U	480 U	U
HEXACHLOROBUTADIENE	340 U	U	U	480 U	U
4-CHLORO-3-METHYLPHENOL	340 U	U	U	480 U	U
2-METHYLNAPHTHALENE	340 U	U	U	480 U	U
HEXACHLOROCYCLOPENTADIE	340 U	UJ	U	480 U	UJ C
2,4,6-TRICHLOROPHENOL	340 U	U	U	480 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
OGDEN ID	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD
Date Sampled	8/20/97	8/21/97	8/21/97	8/20/97	8/20/97
Depth	10.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	850 U	U	U	1,200 U	U
2-CHLORONAPHTHALENE	340 U	U	U	480 U	U
2-NITROANILINE	850 U	U	U	1,200 U	U
DIMETHYL PHTHALATE	340 U	U	U	480 U	U
ACENAPHTHYLENE	340 U	U	U	480 U	U
2,6-DINITROTOLUENE	340 U	U	U	480 U	U
3-NITROANILINE	850 U	U	U	1,200 U	U
ACENAPHTHENE	340 U	U	U	480 U	U
2,4-DINITROPHENOL	850 U	UJ	UJ	1,200 U	UJ
4-NITROPHENOL	850 U	U	UJ	1,200 U	U
DIBENZOFURAN	340 U	U	U	480 U	U
2,4-DINITROTOLUENE	340 U	UJ	U	480 U	UJ
DIETHYL PHTHALATE	26.0 J	J	U	480 U	U
4-CHLOROPHENYL PHENYL ETH	340 U	U	U	480 U	U
FLUORENE	340 U	U	U	480 U	U
4-NITROANILINE	850 U	U	U	1,200 U	U
4,6-DINITRO-2-METHYLPHENOL	850 U	U	UJ	1,200 U	U
N-NITROSODIPHENYLAMINE	340 U	U	U	480 U	U
4-BROMOPHENYL PHENYL ETH	340 U	U	U	480 U	U
HEXACHLOROBENZENE	340 U	U	U	480 U	U
PENTACHLOROPHENOL	850 U	UJ	U	1,200 U	U
PHENANTHRENE	340 U	U	U	480 U	U
ANTHRACENE	340 U	U	U	480 U	U
CARBAZOLE	340 U	U	U	480 U	U
DI-N-BUTYL PHTHALATE	21.0 J	J	U	480 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD				
OGDEN ID	S01DCA	S02DAA	S02DAD	S03DAA	S03DAD				
Date Sampled	8/20/97	8/21/97	8/21/97	8/20/97	8/20/97				
Depth	10.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued	FLUORANTHENE	340 U	U	400 U	U	390 U	480 U	U	U
	PYRENE	340 U	UJ	400 U	U	390 U	480 U	U	U
	BENZYL BUTYL PHTHALATE	340 U	U	400 U	U	390 U	480 U	U	U
	3,3'-DICHLOBENZIDINE	340 U	U	400 U	U	390 U	480 U	U	U
	BENZO(A)ANTHRACENE	340 U	U	400 U	U	390 U	480 U	U	U
	CHRYSENE	340 U	U	400 U	U	390 U	480 U	U	U
	BIS(2-ETHYLHEXYL) PHTHALAT	29.0 J	J	400 U	U	390 U	480 U	UJ	C
	DI-N-OCTYLPHTHALATE	340 U	U	400 U	U	390 U	480 U	U	U
	BENZO(B)FLUORANTHENE	340 U	U	400 U	U	390 U	480 U	U	U
	BENZO(K)FLUORANTHENE	340 U	U	400 U	U	390 U	480 U	U	U
	BENZO(A)PYRENE	340 U	U	400 U	U	390 U	480 U	U	U
	INDENO(1,2,3-C,D)PYRENE	340 U	U	400 U	U	390 U	480 U	U	U
	DIBENZ(A,H)ANTHRACENE	340 U	U	400 U	U	390 U	480 U	U	U
	BENZO(G,H)PERYLENE	340 U	U	400 U	U	390 U	480 U	U	U
	BIS(2-CHLOROETHYL)ETHER (2-								
	BIS(2-CHLOROETHOXY)METHAN								
	CARBOZOLE								
	DEBENZ(A,H)ANTHRACENE								

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GROUP E: Soil Data for Method OM31B

EPA NO	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA			
OGDEN ID	S04DAA	S04DAD	S04DCA	S04DEA	S04DFA			
Date Sampled	8/13/97	8/13/97	8/14/97	8/14/97	8/14/97			
Depth	0.00	0.00	10.00	30.00	40.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31B (UG/KG)								
PHENOL	380 U	U	380 U	U	340 U	U	340 U	U
BIS(2-CHLOROETHYL) ETHER (2	380 U	U	380 U	U	340 U	U	340 U	U
2-CHLOROPHENOL	380 U	U	380 U	U	340 U	U	340 U	U
1,3-DICHLOROBENZENE	380 U	U	380 U	U	340 U	U	340 U	U
1,4-DICHLOROBENZENE	380 U	U	380 U	U	340 U	U	340 U	U
1,2-DICHLOROBENZENE	380 U	U	380 U	U	340 U	U	340 U	U
2-METHYLPHENOL (O-CRESOL)	380 U	U	380 U	U	340 U	U	340 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	U	380 U	U	340 U	U	340 U	U
4-METHYLPHENOL (P-CRESOL)	380 U	U	380 U	U	340 U	U	340 U	U
N-NITROSODI-N-PROPYLAMINE	380 U	U	380 U	U	340 U	U	340 U	U
HEXACHLOROETHANE	380 U	U	380 U	U	340 U	U	340 U	U
NITROBENZENE	380 U	UJ	380 U	UJ	340 U	U	340 U	U
ISOPHORONE	380 U	U	380 U	U	340 U	U	340 U	U
2-NITROPHENOL	380 U	U	380 U	U	340 U	U	340 U	U
2,4-DIMETHYLPHENOL	380 U	U	380 U	U	340 U	U	340 U	U
BIS(2-CHLOROETHOXY) METHA	380 U	U	380 U	U	340 U	U	340 U	U
2,4-DICHLOROPHENOL	380 U	U	380 U	U	340 U	U	340 U	U
1,2,4-TRICHLOROBENZENE	380 U	U	380 U	U	340 U	U	340 U	U
NAPHTHALENE	380 U	U	380 U	U	340 U	U	340 U	U
4-CHLOROANILINE	380 U	U	380 U	U	340 U	U	340 U	U
HEXACHLOROBUTADIENE	380 U	U	380 U	U	340 U	U	340 U	U
4-CHLORO-3-METHYLPHENOL	380 U	U	380 U	U	340 U	U	340 U	U
2-METHYLNAPHTHALENE	380 U	U	380 U	U	340 U	U	340 U	U
HEXACHLOROCYCLOPENTADIE	380 U	U	380 U	U	340 U	U	340 U	U
2,4,6-TRICHLOROPHENOL	380 U	U	380 U	U	340 U	U	340 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S04DAA	S04DAD	S04DCA	S04DFA	S04DFA					
OGDEN ID	S04DAA	S04DAD	S04DCA	S04DFA	S04DFA					
Date Sampled	8/13/97	8/13/97	8/14/97	8/14/97	8/14/97					
Depth	0.00	0.00	10.00	30.00	40.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
OM31B (UG/KG) Continued										
	2,4,5-TRICHLOROPHENOL	950 U	U	U	850 U	U	860 U	U	850 U	U
	2-CHLORONAPHTHALENE	380 U	U	U	340 U	U	340 U	U	340 U	U
	2-NITROANILINE	950 U	U	U	850 U	U	860 U	U	850 U	U
	DIMETHYL PHTHALATE	380 U	U	U	340 U	U	340 U	U	340 U	U
	ACENAPHTHYLENE	380 U	U	U	340 U	U	340 U	U	340 U	U
	2,6-DINITROTOLUENE	380 U	U	U	340 U	U	340 U	U	340 U	U
	3-NITROANILINE	950 U	U	U	850 U	U	860 U	U	850 U	U
	ACENAPHTHENE	380 U	U	U	340 U	U	340 U	U	340 U	U
	2,4-DINITROPHENOL	950 U	U	U	850 U	U	860 U	U	850 U	U
	4-NITROPHENOL	950 U	U	U	850 U	U	860 U	U	850 U	U
	DIBENZOFURAN	380 U	U	U	340 U	U	340 U	U	340 U	U
	2,4-DINITROTOLUENE	380 U	U	U	340 U	UJ	340 U	UJ	340 U	UJ
	DIETHYL PHTHALATE	380 U	U	U	340 U	U	340 U	U	340 U	U
	4-CHLOROPHENYL PHENYL ETH	380 U	U	U	340 U	U	340 U	U	340 U	U
	FLUORENE	380 U	U	U	340 U	U	340 U	U	340 U	U
	4-NITROANILINE	950 U	U	U	850 U	U	860 U	U	850 U	U
	4,6-DINITRO-2-METHYLPHENOL	950 U	U	U	850 U	U	860 U	U	850 U	U
	N-NITROSODIPHENYLAMINE	380 U	U	U	340 U	U	340 U	U	340 U	U
	4-BROMOPHENYL PHENYL ETH	380 U	U	U	340 U	U	340 U	U	340 U	U
HEXACHLOROBENZENE	380 U	U	U	340 U	U	340 U	U	340 U	U	
PENTACHLOROPHENOL	950 U	U	U	850 U	U	860 U	U	850 U	U	
PHENANTHRENE	380 U	U	U	340 U	U	340 U	U	340 U	U	
ANTHRACENE	380 U	U	U	340 U	U	340 U	U	340 U	U	
CARBAZOLE	380 U	U	U	340 U	U	340 U	U	340 U	U	
DI-N-BUTYL PHTHALATE	380 U	U	U	340 U	U	340 U	U	340 U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	S04DAA	S04DAD	S04DCA	S04DEA	S04DEA			
OGDEN ID	S04DAA	S04DAD	S04DCA	S04DEA	S04DEA			
Date Sampled	8/13/97	8/13/97	8/14/97	8/14/97	8/14/97			
Depth	0.00	0.00	10.00	30.00	40.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31B (UG/KG) Continued	FLUORANTHENE	380 U	U			340 U	U	
	PYRENE	380 U	U			340 U	U	
	BENZYL BUTYL PHTHALATE	380 U	U			340 U	U	
	3,3'-DICHLOROBENZIDINE	380 U	UJ	C		340 U	U	
	BENZO(A)ANTHRACENE	380 U	U			340 U	U	
	CHRYSENE	380 U	U			340 U	U	
	BIS(2-ETHYLIEXYL) PHTHALAT	27.0 J	J			19.0 J	J	
	DI-N-OCTYLPHTHALATE	380 U	U			340 U	U	
	BENZO(B)FLUORANTHENE	380 U	U			340 U	U	
	BENZO(K)FLUORANTHENE	380 U	U			340 U	U	
	BENZO(A)PYRENE	380 U	U			340 U	U	
	INDENO(1,2,3-C,D)PYRENE	380 U	U			340 U	U	
	DIBENZ(A,H)ANTHRACENE	380 U	U			340 U	U	
	BENZO(G,H,I)PERYLENE	380 U	U			340 U	U	
	BIS(2-CHLOROETHYL)ETHER (2-							
BIS(2-CHLOROETHOXY)METHAN								
CARBOZOLE								
DEBENZ(A,H)ANTHRACENE								

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

EPA NO	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA				
OGDEN ID	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA				
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/15/97				
Depth	50.00	60.00	110.00	120.00	130.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG)									
PHENOL	340 U			340 U			340 U		
BIS(2-CHLOROETHYL) ETHER (2	340 U			340 U			340 U		
2-CHLOROPHENOL	340 U			340 U			340 U		
1,3-DICHLOROBENZENE	340 U			340 U			340 U		
1,4-DICHLOROBENZENE	340 U			340 U			340 U		
1,2-DICHLOROBENZENE	340 U			340 U			340 U		
2-METHYLPHENOL (O-CRESOL)	340 U			340 U			340 U		
2,2'-OXYBIS(1-CHLORO)PROPAN	340 U			340 U			340 U		
4-METHYLPHENOL (P-CRESOL)	340 U			340 U			340 U		
N-NITROSODI-N-PROPYLAMINE	340 U			340 U			340 U		
HEXACHLOROETHANE	340 U			340 U			340 U		
NITROBENZENE	340 U			340 U			340 U		
ISOPHORONE	340 U			340 U			340 U		
2-NITROPHENOL	340 U			340 U			340 U		
2,4-DIMETHYLPHENOL	340 U			340 U			340 U		
BIS(2-CHLOROETHOXY) METHA	340 U			340 U			340 U		
2,4-DICHLOROPHENOL	340 U			340 U			340 U		
1,2,4-TRICHLOROBENZENE	340 U			340 U			340 U		
NAPHTHALENE	340 U			340 U			340 U		
4-CHLOROANILINE	340 U			340 U			340 U		
HEXACHLORO BUTADIENE	340 U			340 U			340 U		
4-CHLORO-3-METHYLPHENOL	340 U			340 U			340 U		
2-METHYLNAPHTHALENE	340 U			340 U			340 U		
HEXACHLOROCYCLOPENTADIE	340 U			340 U			340 U		
2,4,6-TRICHLOROPHENOL	340 U			340 U			340 U		

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GROUP E: Soil Data for Method OM31B

EPA NO	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA
OGDEN ID	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/15/97
Depth	50.00	60.00	110.00	120.00	130.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	860 U	U	850 U	860 U	870 U
2-CHLORONAPHTHALENE	340 U	U	340 U	340 U	350 U
2-NITROANILINE	860 U	U	850 U	860 U	870 U
DIMETHYL PHTHALATE	340 U	U	340 U	340 U	350 U
ACENAPHTHYLENE	340 U	U	340 U	340 U	350 U
2,6-DINITROTOLUENE	340 U	U	340 U	340 U	350 U
3-NITROANILINE	860 U	U	850 U	860 U	870 U
ACENAPHTHENE	340 U	U	340 U	340 U	350 U
2,4-DINITROPHENOL	860 U	U	850 U	860 U	870 U
4-NITROPHENOL	860 U	U	850 U	860 U	870 U
DIBENZOFURAN	340 U	U	340 U	340 U	350 U
2,4-DINITROTOLUENE	340 U	UJ	340 U	340 U	350 U
DIETHYL PHTHALATE	340 U	U	340 U	340 U	350 U
4-CHLOROPHENYL PHENYL ETH	340 U	U	340 U	340 U	350 U
FLUORENE	340 U	U	340 U	340 U	350 U
4-NITROANILINE	860 U	U	850 U	860 U	870 U
4,6-DINITRO-2-METHYLPHENOL	860 U	U	850 U	860 U	870 U
N-NITROSODIPHENYLAMINE	340 U	U	340 U	340 U	350 U
4-BROMOPHENYL PHENYL ETH	340 U	U	340 U	340 U	350 U
HEXACHLOROBENZENE	340 U	U	340 U	340 U	350 U
PENTACHLOROPHENOL	860 U	U	850 U	860 U	870 U
PHENANTHRENE	340 U	U	340 U	340 U	350 U
ANTHRACENE	340 U	U	340 U	340 U	350 U
CARBAZOLE	340 U	U	340 U	340 U	350 U
DI-N-BUTYL PHTHALATE	340 U	U	340 U	340 U	350 U

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GROUP E: Soil Data for Method OM31B

EPA NO	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA				
OGDEN ID	S04DGA	S04DHA	S04DMA	S04DNA	S04DOA				
Date Sampled	8/14/97	8/14/97	8/15/97	8/15/97	8/15/97				
Depth	50.00	60.00	110.00	120.00	130.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued	FLUORANTHENE	340 U	U	U	340 U	U	340 U	U	U
	PYRENE	340 U	U	U	340 U	U	340 U	U	U
	BENZYL BUTYL PHTHALATE	340 U	U	U	340 U	U	340 U	U	U
	3,3-DICHLOROBENZIDINE	340 U	U	U	340 U	U	340 U	U	U
	BENZO(A)ANTHRACENE	340 U	U	U	340 U	U	340 U	U	U
	CHRYSENE	340 U	U	U	340 U	U	340 U	U	U
	BIS(2-ETHYLHEXYL) PHTHALAT	25.0 J	J	J	340 U	U	16.0 J	J	J
	DI-N-OCTYLPHTHALATE	340 U	U	U	340 U	U	340 U	U	U
	BENZO(B)FLUORANTHENE	340 U	U	U	340 U	U	340 U	U	U
	BENZO(K)FLUORANTHENE	340 U	U	U	340 U	U	340 U	U	U
	BENZO(A)PYRENE	340 U	U	U	340 U	U	340 U	U	U
	INDENO(1,2,3-C,D)PYRENE	340 U	U	U	340 U	U	340 U	U	U
	DIBENZ(A,H)ANTHRACENE	340 U	U	U	340 U	U	340 U	U	U
	BENZO(G,H,I)PERYLENE	340 U	U	U	340 U	U	340 U	U	U
	BIS(2-CHLOROETHYL)ETHER (2-								
	BIS(2-CHLOROETHOXY)METHAN								
	CARBOZOLE								
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA				
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA				
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG)									
PHENOL	390 U	U	U	430 U	U	U	380 U	U	U
BIS(2-CHLOROETHYL) ETHER (2	390 U	U	U	430 U	U	U	380 U	U	U
2-CHLOROPHENOL	390 U	U	U	430 U	U	U	380 U	U	U
1,3-DICHLOROBENZENE	390 U	U	U	430 U	U	U	380 U	U	U
1,4-DICHLOROBENZENE	390 U	U	U	430 U	U	U	380 U	U	U
1,2-DICHLOROBENZENE	390 U	U	U	430 U	U	U	380 U	U	U
2-METHYLPHENOL (O-CRESOL)	390 U	U	U	430 U	U	U	380 U	U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	390 U	U	U	430 U	U	U	380 U	UJ	C
4-METHYLPHENOL (P-CRESOL)	390 U	U	U	430 U	U	U	380 U	U	U
N-NITROSODI-N-PROPYLAMINE	390 U	U	U	430 U	U	U	380 U	U	U
HEXACHLOROETHANE	390 U	U	U	430 U	U	U	380 U	U	U
NITROBENZENE	390 U	U	U	430 U	U	U	380 U	U	U
ISOPHORONE	390 U	U	U	430 U	U	U	380 U	U	U
2-NITROPHENOL	390 U	U	U	430 U	U	U	380 U	U	U
2,4-DIMETHYLPHENOL	390 U	U	U	430 U	U	U	380 U	U	U
BIS(2-CHLOROETHOXY) METHA	390 U	U	U	430 U	U	U	380 U	U	U
2,4-DICHLOROPHENOL	390 U	U	U	430 U	U	U	380 U	U	U
1,2,4-TRICHLOROBENZENE	390 U	U	U	430 U	U	U	380 U	U	U
NAPHTHALENE	390 U	U	U	430 U	U	U	380 U	U	U
4-CHLOROANILINE	390 U	U	U	430 U	U	U	380 U	UJ	C
HEXACHLOROBUTADIENE	390 U	U	U	430 U	U	U	380 U	U	U
4-CHLORO-3-METHYLPHENOL	390 U	U	U	430 U	U	U	380 U	U	U
2-METHYLNAPHTHALENE	390 U	U	U	430 U	U	U	380 U	U	U
HEXACHLOROCYCLOPENTADIE	390 U	UJ	C	430 U	UJ	C	380 U	U	U
2,4,6-TRICHLOROPHENOL	390 U	U	U	430 U	U	U	380 U	U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA				
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA				
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued	2,4,5-TRICHLOROPHENOL	980 U	U	1,000 U	U	1,100 U	960 U	U	U
	2-CHLORONAPHTHALENE	390 U	U	400 U	U	430 U	380 U	U	U
	2-NITROANILINE	980 U	U	1,000 U	U	1,100 U	960 U	U	U
	DIMETHYL PHTHALATE	390 U	U	400 U	U	430 U	380 U	U	U
	ACENAPHTHYLENE	390 U	U	400 U	U	430 U	380 U	U	U
	2,6-DINITROTOLUENE	390 U	U	400 U	U	430 U	380 U	U	U
	3-NITROANILINE	980 U	U	1,000 U	U	1,100 U	960 U	U	U
	ACENAPHTHENE	390 U	U	400 U	U	430 U	380 U	U	U
	2,4-DINITROPHENOL	980 U	U	1,000 U	U	1,100 U	960 U	U	U
	4-NITROPHENOL	980 U	U	1,000 U	U	1,100 U	960 U	UJ	C
	DIBENZOFURAN	390 U	U	400 U	U	430 U	380 U	U	U
	2,4-DINITROTOLUENE	390 U	UJ	U	400 U	UJ	380 U	U	U
	DIETHYL PHTHALATE	390 U	U	400 U	U	430 U	380 U	U	U
	4-CHLOROPHENYL PHENYL ETH	390 U	U	400 U	U	430 U	380 U	U	U
	FLUORENE	390 U	U	400 U	U	430 U	380 U	U	U
	4-NITROANILINE	980 U	U	1,000 U	U	1,100 U	960 U	U	U
4,6-DINITRO-2-METHYLPHENOL	980 U	U	1,000 U	U	1,100 U	960 U	U	U	
N-NITROSODIPHENYLAMINE	390 U	U	400 U	U	430 U	380 U	U	U	
4-BROMOPHENYL PHENYL ETH	390 U	U	400 U	U	430 U	380 U	U	U	
HEXACHLOROBENZENE	390 U	U	400 U	U	430 U	380 U	U	U	
PENTACHLOROPHENOL	980 U	U	1,000 U	U	1,100 U	960 U	U	U	
PHENANTHRENE	390 U	U	400 U	U	430 U	380 U	U	U	
ANTHRACENE	390 U	U	400 U	U	430 U	380 U	U	U	
CARBAZOLE	390 U	U	400 U	U	430 U	380 U	U	U	
DI-N-BUTYL PHTHALATE	390 U	U	400 U	U	430 U	380 U	U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA	
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA	
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97	
Depth	0.00	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued						
FLUORANTHENE	390 U	U	U	430 U	U	U
PYRENE	390 U	U	U	430 U	U	U
BENZYL BUTYL PHTHALATE	390 U	U	U	430 U	U	U
3,3'-DICHLOROBENZIDINE	390 U	U	U	430 U	U	UJ C
BENZO(A)ANTHRACENE	390 U	U	U	430 U	U	U
CHRYSENE	390 U	U	U	430 U	U	U
BIS(2-ETHYLIEXYL) PHTHALAT	43.0 J	J	J	30.0 J	J	U
DI-N-OCTYL PHTHALATE	390 U	UJ	C	430 U	U	UJ C
BENZO(B)FLUORANTHENE	390 U	U		430 U	U	U
BENZO(K)FLUORANTHENE	390 U	U		430 U	U	UJ C
BENZO(A)PYRENE	390 U	U		430 U	U	U
INDENO(1,2,3-C,D)PYRENE	390 U	U		430 U	U	U
DIBENZ(A,H)ANTHRACENE	390 U	U		430 U	U	U
BENZO(G,H,I)PERYLENE	390 U	U	C	430 U	UJ	U
BIS(2-CHLOROETHYL)ETHER (2-						
BIS(2-CHLOROETHOXY)METHAN						
CARBOZOLE						
DEBENZ(A,H)ANTHRACENE						

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GROUP E: Soil Data for Method OM31B

EPA NO	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA
OGDEN ID	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA
Date Sampled	7/29/97	7/29/97	8/21/97	8/21/97	8/21/97
Depth	0.00	10.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	380 U	U	340 U	450 U	460 U
BIS(2-CHLOROETHYL) ETHER (2	380 U	U	340 U	450 U	460 U
2-CHLOROPHENOL	380 U	U	340 U	450 U	460 U
1,3-DICHLOROBENZENE	380 U	U	340 U	450 U	460 U
1,4-DICHLOROBENZENE	380 U	U	340 U	450 U	460 U
1,2-DICHLOROBENZENE	380 U	U	340 U	450 U	460 U
2-METHYLPHENOL (O-CRESOL)	380 U	U	340 U	450 U	460 U
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	U	340 U	450 U	460 U
4-METHYLPHENOL (P-CRESOL)	380 U	U	340 U	450 U	460 U
N-NITROSODI-N-PROPYLAMINE	380 U	U	340 U	450 U	460 U
HEXACHLOROETHANE	380 U	U	340 U	450 U	460 U
NITROBENZENE	380 U	U	340 U	450 U	460 U
ISOPHORONE	380 U	U	340 U	450 U	460 U
2-NITROPHENOL	380 U	U	340 U	450 U	460 U
2,4-DIMETHYLPHENOL	380 U	U	340 U	450 U	460 U
BIS(2-CHLOROETHOXY) METHA	380 U	U	340 U	450 U	460 U
2,4-DICHLOROPHENOL	380 U	U	340 U	450 U	460 U
1,2,4-TRICHLOROBENZENE	380 U	U	340 U	450 U	460 U
NAPHTHALENE	380 U	U	340 U	450 U	460 U
4-CHLOROANILINE	380 U	U	340 U	450 U	460 U
HEXACHLOROBTADIENE	380 U	U	340 U	450 U	460 U
4-CHLORO-3-METHYLPHENOL	380 U	U	340 U	450 U	460 U
2-METHYLNAPHTHALENE	380 U	U	340 U	450 U	460 U
HEXACHLOROCYCLOPENTADIE	380 U	U	340 U	450 U	460 U
2,4,6-TRICHLOROPHENOL	380 U	U	340 U	450 U	460 U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP E: Soil Data for Method OM31B

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EPA NO	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA			
OGDEN ID	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA			
Date Sampled	7/29/97	7/29/97	8/21/97	8/21/97	8/21/97			
Depth	0.00	10.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL. CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL. CODE
OM31B (UG/KG) Continued								
2,4,5-TRICHLOROPHENOL	950 U	U						
2-CHLORONAPHTHALENE	380 U	U						
2-NITROANILINE	950 U	U						
DIMETHYL PHTHALATE	380 U	U						
ACENAPHTHYLENE	380 U	U						
2,6-DINITROTOLUENE	380 U	U						
3-NITROANILINE	950 U	U						
ACENAPHTHENE	380 U	U						
2,4-DINITROPHENOL	950 U	U						
4-NITROPHENOL	950 U	U						
DIBENZOFURAN	380 U	U						
2,4-DINITROTOLUENE	380 U	U						
DIETHYL PHTHALATE	380 U	U						
4-CHLOROPHENYL PHENYL ETH	380 U	U						
FLUORENE	380 U	U						
4-NITROANILINE	950 U	U						
4,6-DINITRO-2-METHYLPHENOL	950 U	U						
N-NITROSODIPHENYLAMINE	380 U	U						
4-BROMOPHENYL PHENYL ETH	380 U	U						
HEXACHLOROBENZENE	380 U	U						
PENTACHLOROPHENOL	950 U	U						
PHENANTHRENE	380 U	U						
ANTHRACENE	380 U	U						
CARBAZOLE	380 U	U						
DI-N-BUTYL PHTHALATE	380 U	U						

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GROUP E: Soil Data for Method OM31B

EPA NO	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA				
OGDEN ID	S07DAD	S07DCA	S08DAA	S08DAD	S09DAA				
Date Sampled	7/29/97	7/29/97	8/21/97	8/21/97	8/21/97				
Depth	0.00	10.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued									
FLUORANTHENE	380 U	U		340 U	U		450 U	U	
PYRENE	380 U	U		340 U	U		450 U	U	
BENZYL BUTYL PHTHALATE	380 U	U		340 U	U		450 U	U	
3,3'-DICHLOBENZIDINE	380 U	U		340 U	UJ	C	450 U	U	
BENZO(A)ANTHRACENE	380 U	U		340 U	U		450 U	U	
CHRYSENE	380 U	U		340 U	U		450 U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	380 U	U		340 U	U		450 U	U	
DI-N-OCTYL PHTHALATE	380 U	U		340 U	UJ	C	450 U	U	
BENZO(B)FLUORANTHENE	380 U	U		340 U	U		450 U	U	
BENZO(K)FLUORANTHENE	380 U	U		340 U	UJ	C	450 U	U	
BENZO(A)PYRENE	380 U	U		340 U	U		450 U	U	
INDENO(1,2,3-C,D)PYRENE	380 U	U		340 U	U		450 U	U	
DIBENZ(A,H)ANTHRACENE	380 U	U		340 U	U		450 U	U	
BENZO(G,H,I)PERYLENE	380 U	U		340 U	U		450 U	U	
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
OGDEN ID	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
Date Sampled	8/21/97	8/11/97	8/8/97	8/8/97	8/8/97
Depth	0.00	120.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG)					
PHENOL	370 U			350 U	340 U
BIS(2-CHLOROETHYL) ETHER (2	370 U			350 U	340 U
2-CHLOROPHENOL	370 U			350 U	340 U
1,3-DICHLOROBENZENE	370 U			350 U	340 U
1,4-DICHLOROBENZENE	370 U			350 U	340 U
1,2-DICHLOROBENZENE	370 U			350 U	340 U
2-METHYLPHENOL (O-CRESOL)	370 U			350 U	340 U
2,2'-OXYBIS(1-CHLORO)PROPAN	370 U			350 U	340 U
4-METHYLPHENOL (P-CRESOL)	370 U			350 U	340 U
N-NITROSODI-N-PROPYLAMINE	370 U			350 U	340 U
HEXACHLOROETHANE	370 U			350 U	340 U
NITROBENZENE	370 U			350 U	340 U
ISOPHORONE	370 U			350 U	340 U
2-NITROPHENOL	370 U			350 U	340 U
2,4-DIMETHYLPHENOL	370 U			350 U	340 U
BIS(2-CHLOROETHOXY) METHA	370 U			350 U	340 U
2,4-DICHLOROPHENOL	370 U			350 U	340 U
1,2,4-TRICHLOROBENZENE	370 U			350 U	340 U
NAPHTHALENE	370 U			350 U	340 U
4-CHLOROANILINE	370 U			350 U	340 U
HEXACHLOROBTADIENE	370 U			350 U	340 U
4-CHLORO-3-METHYLPHENOL	370 U			350 U	340 U
2-METHYLNAPHTHALENE	370 U			350 U	340 U
HEXACHLOROCYCLOPENTADIE	370 U			350 U	340 U
2,4,6-TRICHLOROPHENOL	370 U			350 U	340 U

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GROUP E: Soil Data for Method OM31B

EPA NO	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
OGDEN ID	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA
Date Sampled	8/21/97	8/1/97	8/8/97	8/8/97	8/8/97
Depth	0.00	120.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	930 U	U	890 U	U	860 U
2-CHLORONAPHTHALENE	370 U	U	350 U	U	340 U
2-NITROANILINE	930 U	U	890 U	U	860 U
DIMETHYL PHTHALATE	370 U	U	350 U	U	340 U
ACENAPHTHYLENE	370 U	U	350 U	U	340 U
2,6-DINITROTOLUENE	370 U	U	350 U	U	340 U
3-NITROANILINE	930 U	U	890 U	U	860 U
ACENAPHTHENE	370 U	U	350 U	U	340 U
2,4-DINITROPHENOL	930 U	UJ C	890 U	U	860 U
4-NITROPHENOL	930 U	UJ C	890 U	U	860 U
DIBENZOFURAN	370 U	U	350 U	U	340 U
2,4-DINITROTOLUENE	370 U	U	350 U	U	340 U
DIETHYL PHTHALATE	370 U	U	350 U	U	340 U
4-CHLOROPHENYL PHENYL ETH	370 U	U	350 U	U	340 U
FLUORENE	370 U	U	350 U	U	340 U
4-NITROANILINE	930 U	U	890 U	U	860 U
4,6-DINITRO-2-METHYLPHENOL	930 U	UJ C	890 U	U	860 U
N-NITROSODIPHENYLAMINE	370 U	U	350 U	U	340 U
4-BROMOPHENYL PHENYL ETH	370 U	U	350 U	U	340 U
HEXACHLOROBENZENE	370 U	U	350 U	U	340 U
PENTACHLOROPHENOL	930 U	U	890 U	U	860 U
PHENANTHRENE	370 U	U	350 U	U	340 U
ANTHRACENE	370 U	U	350 U	U	340 U
CARBAZOLE	370 U	U	350 U	U	340 U
DI-N-BUTYL PHTHALATE	370 U	U	350 U	U	340 U

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GROUP E: Soil Data for Method OM31B

EPA NO	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA				
OGDEN ID	S09DAD	S10DNA	S11DAA	S11DAD	S11DCA				
Date Sampled	8/21/97	8/1/97	8/8/97	8/8/97	8/8/97				
Depth	0.00	120.00	0.00	0.00	10.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued									
FLUORANTHENE	370 U	U		340 U	U		350 U	U	
PYRENE	370 U	U		340 U	U		350 U	U	
BENZYL BUTYL PHTHALATE	370 U	U		340 U	UJ		350 U	U	
3,3'-DICHLOROBENZIDINE	370 U	U		340 U	U		350 U	U	
BENZO(A)ANTHRACENE	370 U	U		340 U	U		350 U	U	
CHRYSENE	370 U	U		340 U	U		350 U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	370 U	U		340 U	UJ		40.0 J	J	
DI-N-OCTYL PHTHALATE	370 U	U		340 U	U		350 U	U	
BENZO(B)FLUORANTHENE	370 U	U		340 U	U		350 U	U	
BENZO(K)FLUORANTHENE	370 U	U		340 U	U		350 U	U	
BENZO(A)PYRENE	370 U	U		340 U	U		350 U	U	
INDENO(1,2,3-C,D)PYRENE	370 U	U		340 U	U		350 U	U	
DIBENZ(A,H)ANTHRACENE	370 U	U		340 U	U		350 U	U	
BENZO(G,H,I,P)PERYLENE	370 U	U		340 U	U		350 U	U	
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	SI1DEA	SI1DFA	SI1DGA	SI1DHA	SI1DIA							
OGDEN ID	SI1DEA	SI1DFA	SI1DGA	SI1DHA	SI1DIA							
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97							
Depth	30.00	40.00	50.00	60.00	70.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31B (UG/KG)												
PHENOL	340 U	U			340 U	U			340 U	U		
BIS(2-CHLOROETHYL) ETHER (2	340 U	U			340 U	U			340 U	U		
2-CHLOROPHENOL	340 U	U			340 U	U			340 U	U		
1,3-DICHLOROBENZENE	340 U	U			340 U	U			340 U	U		
1,4-DICHLOROBENZENE	340 U	U			340 U	U			340 U	U		
1,2-DICHLOROBENZENE	340 U	U			340 U	U			340 U	U		
2-METHYLPHENOL (O-CRESOL)	340 U	U			340 U	U			340 U	U		
2,2'-OXYBIS(1-CHLORO)PROPAN	340 U	U			340 U	U			340 U	U		
4-METHYLPHENOL (P-CRESOL)	340 U	U			340 U	U			340 U	U		
N-NITROSODI-N-PROPYLAMINE	340 U	U			340 U	U			340 U	U		
HEXACHLOROETHANE	340 U	U			340 U	U			340 U	U		
NITROBENZENE	340 U	UJ	C		340 U	UJ	C		340 U	UJ	C	
ISOPHORONE	340 U	U			340 U	U			340 U	U		
2-NITROPHENOL	340 U	U			340 U	U			340 U	U		
2,4-DIMETHYLPHENOL	340 U	U			340 U	U			340 U	U		
BIS(2-CHLOROETHOXY) METHA	340 U	U			340 U	U			340 U	U		
2,4-DICHLOROPHENOL	340 U	U			340 U	U			340 U	U		
1,2,4-TRICHLOROBENZENE	340 U	U			340 U	U			340 U	U		
NAPHTHALENE	340 U	U			340 U	U			340 U	U		
4-CHLOROANILINE	340 U	U			340 U	U			340 U	U		
HEXACHLORO BUTADIENE	340 U	U			340 U	U			340 U	U		
4-CHLORO-3-METHYLPHENOL	340 U	U			340 U	U			340 U	U		
2-METHYLNAPHTHALENE	340 U	U			340 U	U			340 U	U		
HEXACHLOROCYCLOPENTADIE	340 U	U			340 U	U			340 U	U		
2,4,6-TRICHLOROPHENOL	340 U	U			340 U	U			340 U	U		

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GROUP E: Soil Data for Method OM31B

EPA NO	SI1DEA	SI1DFA	SI1DGA	SI1DIA	SI1DIA								
OGDEN ID	SI1DEA	SI1DFA	SI1DGA	SI1DIA	SI1DIA								
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97								
Depth	30.00	40.00	50.00	60.00	70.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
OM31B (UG/KG) Continued	2,4,5-TRICHLOROPHENOL	850 U	U	U		850 U	U	U		860 U	U	U	
	2-CHLORONAPHTHALENE	340 U	U	U		340 U	U	U		340 U	U	U	
	2-NITROANILINE	850 U	U	U		850 U	U	U		860 U	U	U	
	DIMETHYL PHTHALATE	340 U	U	U		340 U	U	U		340 U	U	U	
	ACENAPHTHYLENE	340 U	U	U		340 U	U	U		340 U	U	U	
	2,6-DINITROTOLUENE	340 U	U	U		340 U	U	U		340 U	U	U	
	3-NITROANILINE	850 U	U	U		850 U	U	U		860 U	U	U	
	ACENAPHTHENE	340 U	U	U		340 U	U	U		340 U	U	U	
	2,4-DINITROPHENOL	850 U	U	U		850 U	U	U		860 U	U	U	
	4-NITROPHENOL	850 U	U	U		850 U	U	U		860 U	U	U	
	DIBENZOFURAN	340 U	U	U		340 U	U	U		340 U	U	U	
	2,4-DINITROTOLUENE	340 U	U	U		340 U	U	U		340 U	U	U	
	DIETHYL PHTHALATE	340 U	U	U		340 U	U	U		340 U	U	U	
	4-CHLOROPHENYL PIENYL ETH	340 U	U	U		340 U	U	U		340 U	U	U	
	FLUORENE	340 U	U	U		340 U	U	U		340 U	U	U	
	4-NITROANILINE	850 U	U	U		850 U	U	U		860 U	U	U	
	4,6-DINTRO-2-METHYLPHENOL	850 U	U	U		850 U	U	U		860 U	U	U	
	N-NITROSODIPHENYLAMINE	340 U	U	U		340 U	U	U		340 U	U	U	
	4-BROMOPHENYL PHENYL ETH	340 U	U	U		340 U	U	U		340 U	U	U	
	HEXACHLOROBENZENE	340 U	U	U		340 U	U	U		340 U	U	U	
PENTACHLOROPHENOL	850 U	U	U		850 U	U	U		860 U	U	U		
PHENANTHRENE	340 U	U	U		340 U	U	U		340 U	U	U		
ANTHRACENE	340 U	U	U		340 U	U	U		340 U	U	U		
CARBAZOLE	340 U	U	U		340 U	U	U		340 U	U	U		
DIN-BUTYL PHTHALATE	340 U	U	U		340 U	U	U		340 U	U	U		

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Validated MMR Data for SDGs 1-17, 28-30

GROUP E: Soil Data for Method OM31B

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EPA NO	SI1DEA	SI1DFA	SI1DGA	SI1DHA	SI1DIA								
OGDEN ID	SI1DEA	SI1DFA	SI1DGA	SI1DHA	SI1DIA								
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97								
Depth	30.00	40.00	50.00	60.00	70.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
OM31B (UG/KG) Continued	FLUORANTHENE	340 U	U			340 U	U			340 U	U		
	PYRENE	340 U	U			340 U	U			340 U	U		
	BENZYL BUTYL PHTHALATE	340 U	U			340 U	U			340 U	U		
	3,3'-DICHLOROBENZIDINE	340 U	UJ	C		340 U	UJ	C		340 U	UJ	C	
	BENZO(A)ANTHRACENE	340 U	U			340 U	U			340 U	U		
	CHRYSENE	340 U	U			340 U	U			340 U	U		
	BIS(2-ETHYLHEXYL) PHTHALAT	23.0 J	J			25.0 J	J			340 U	U		
	DI-N-OCTYL PHTHALATE	340 U	U			340 U	U			340 U	U		
	BENZO(B)FLUORANTHENE	340 U	U			340 U	U			340 U	U		
	BENZO(K)FLUORANTHENE	340 U	U			340 U	U			340 U	U		
	BENZO(A)PYRENE	340 U	U			340 U	U			340 U	U		
	INDENO(1,2,3-C,D)PYRENE	340 U	U			340 U	U			340 U	U		
	DIBENZ(A,H)ANTHRACENE	340 U	U			340 U	U			340 U	U		
	BENZO(G,H,I)PERYLENE	340 U	U			340 U	U			340 U	U		
	BIS(2-CHLOROETHYL)ETHER (2-												
BIS(2-CHLOROETHOXY)METHAN													
CARBOZOLE													
DEBENZ(A,H)ANTHRACENE													

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GROUP E: Soil Data for Method OM31B

EPA NO	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA							
OGDEN ID	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA							
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97							
Depth	90.00	100.00	110.00	120.00	130.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG)												
PHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
BIS(2-CHLOROETHYL) ETHER (2	340 U	U		340 U	U		340 U	U		340 U	U	
2-CHLOROPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
1,3-DICHLOROBENZENE	340 U	U		340 U	U		340 U	U		340 U	U	
1,4-DICHLOROBENZENE	340 U	U		340 U	U		340 U	U		340 U	U	
1,2-DICHLOROBENZENE	340 U	U		340 U	U		340 U	U		340 U	U	
2-METHYLPHENOL (O-CRESOL)	340 U	U		340 U	U		340 U	U		340 U	U	
2,2'-OXYBIS(1-CHLORO)PROPAN	340 U	U		340 U	U		340 U	U		340 U	U	
4-METHYLPHENOL (P-CRESOL)	340 U	U		340 U	U		340 U	U		340 U	U	
N-NITROSODI-N-PROPYLAMINE	340 U	U		340 U	U		340 U	U		340 U	U	
HEXACHLOROETHANE	340 U	U		340 U	U		340 U	U		340 U	U	
NITROBENZENE	340 U	UJ	C	340 U	UJ	C	340 U	UJ	C	340 U	UJ	C
ISOPHORONE	340 U	U		340 U	U		340 U	U		340 U	U	
2-NITROPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
2,4-DIMETHYLPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
BIS(2-CHLOROETHOXY) METHA	340 U	U		340 U	U		340 U	U		340 U	U	
2,4-DICHLOROPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
1,2,4-TRICHLOROBENZENE	340 U	U		340 U	U		340 U	U		340 U	U	
NAPHTHALENE	340 U	U		340 U	U		340 U	U		340 U	U	
4-CHLOROANILINE	340 U	U		340 U	U		340 U	U		340 U	U	
HEXACHLOROBUTADIENE	340 U	U		340 U	U		340 U	U		340 U	U	
4-CHLORO-3-METHYLPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	
2-METHYLNAPHTHALENE	340 U	U		340 U	U		340 U	U		340 U	U	
HEXACHLOROCYCLOPENTADIE	340 U	U		340 U	U		340 U	U		340 U	U	
2,4,6-TRICHLOROPHENOL	340 U	U		340 U	U		340 U	U		340 U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA							
OGDEN ID	SI1DKA	SI1DLA	SI1DMA	SI1DNA	SI1DOA							
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97							
Depth	90.00	100.00	110.00	120.00	130.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued	2,4,5-TRICHLOROPHENOL	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U
	2-CHLORONAPHTHALENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U
	2-NITROANILINE	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U
	DIMETHYL PHTHALATE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U
	ACENAPHTHYLENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U
	2,6-DINITROTOLUENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U
	3-NITROANILINE	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U
	ACENAPHTHENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U
	2,4-DINITROPHENOL	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U
	4-NITROPHENOL	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U
DIBENZOFURAN	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
2,4-DINITROTOLUENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
DIETHYL PHTHALATE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
4-CHLOROPHENYL PHENYL ETH	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
FLUORENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
4-NITROANILINE	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U	
4,6-DINITRO-2-METHYLPHENOL	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U	
N-NITROSODIPHENYLAMINE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
4-BROMOPHENYL PHENYL ETH	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
HEXACHLOROBENZENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
PENTACHLOROPHENOL	860 U	U	850 U	U	860 U	U	880 U	U	860 U	U	U	
PHENANTHRENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
ANTHRACENE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
CARBAZOLE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	
DI-N-BUTYL PHTHALATE	340 U	U	340 U	U	340 U	U	350 U	U	340 U	U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	S11DKA	S11DLA	S11DMA	S11DNA	S11DOA
OGDEN ID	S11DKA	S11DLA	S11DMA	S11DNA	S11DOA
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/11/97
Depth	90.00	100.00	110.00	120.00	130.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued					
FLUORANTHENE	340 U	U	340 U	U	340 U
PYRENE	340 U	U	340 U	U	340 U
BENZYL BUTYL PHTHALATE	340 U	U	340 U	U	340 U
3,3'-DICHLOBENZIDINE	340 U	UJ	340 U	UJ	340 U
BENZO(A)ANTHRACENE	340 U	U	340 U	U	340 U
CHRYSENE	340 U	U	340 U	U	340 U
BIS(2-ETHYLHEXYL) PHTHALAT	340 U	U	340 U	U	340 U
DI-N-OCTYLPHTHALATE	340 U	U	340 U	U	340 U
BENZO(B)FLUORANTHENE	340 U	U	340 U	U	340 U
BENZO(K)FLUORANTHENE	340 U	U	340 U	U	340 U
BENZO(A)PYRENE	340 U	U	340 U	U	340 U
INDENO(1,2,3-C,D)PYRENE	340 U	U	340 U	U	340 U
DIBENZ(A,H)ANTHRACENE	340 U	U	340 U	U	340 U
BENZO(G,H,I)PERYLENE	340 U	U	340 U	U	340 U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	S12DAA	S12DCA	S14DAA	S14DAD	S14DCA
OGDEN ID	S12DAA	S12DCA	S14DAA	S14DAD	S14DCA
Date Sampled	8/5/97	8/6/97	7/29/97	7/29/97	7/21/97
Depth	0.00	10.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	370 BJ	U	B	340 J	U
BIS(2-CHLOROETHYL) ETHER (2	370 U	U		340 U	U
2-CHLOROPHENOL	370 U	U		340 U	U
1,3-DICHLOROBENZENE	370 U	U		340 U	U
1,4-DICHLOROBENZENE	370 U	U		340 U	U
1,2-DICHLOROBENZENE	370 U	U		340 U	U
2-METHYLPHENOL (O-CRESOL)	370 U	U		340 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	370 U	UJ	C	340 U	UJ
4-METHYLPHENOL (P-CRESOL)	370 U	U		340 U	U
N-NITROSODI-N-PROPYLAMINE	370 U	UJ	C	340 U	UJ
HEXACHLOROETHANE	370 U	U		340 U	U
NITROBENZENE	370 U	U		340 U	U
ISOPHORONE	370 U	U		340 U	U
2-NITROPHENOL	370 U	U		340 U	U
2,4-DIMETHYLPHENOL	370 U	U		340 U	U
BIS(2-CHLOROETHOXY) METHA	370 U	UJ	C	340 U	UJ
2,4-DICHLOROPHENOL	370 U	U		340 U	U
1,2,4-TRICHLOROBENZENE	370 U	U		340 U	U
NAPHTHALENE	370 U	U		340 U	U
4-CHLOROANILINE	370 U	U		340 U	U
HEXACHLOROBUTADIENE	370 U	U		340 U	U
4-CHLORO-3-METHYLPHENOL	370 U	U		340 U	U
2-METHYLNAPHTHALENE	370 U	U		340 U	U
HEXACHLOROCYCLOPENTADIE	370 U	U		340 U	U
2,4,6-TRICHLOROPHENOL	370 U	U		340 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S12DAA	S12DCA	S14DAA	S14DAD	S14DCA
OGDEN ID	S12DAA	S12DCARE	S14DAA	S14DAD	S14DCA
Date Sampled	8/5/97	8/6/97	7/29/97	7/29/97	7/21/97
Depth	0.00	10.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	370 U	U	U	390 U	U
PYRENE	370 U	U	U	390 U	U
BENZYL BUTYL PHTHALATE	370 U	U	U	390 U	U
3,3'-DICHLOROBENZIDINE	370 U	U	U	390 U	U
BENZO(A)ANTHRACENE	370 U	U	U	390 U	U
CHRYSENE	370 U	U	U	390 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	370 U	U	U	390 U	U
DI-N-OCTYL PHTHALATE	370 U	U	U	390 U	U
BENZO(B)FLUORANTHENE	370 U	U	U	390 U	U
BENZO(K)FLUORANTHENE	370 U	U	U	390 U	U
BENZO(A)PYRENE	370 U	U	U	390 U	U
INDENO(1,2,3-C,D)PYRENE	370 U	U	U	390 U	U
DIBENZ(A,H)ANTHRACENE	370 U	U	U	390 U	U
BENZO(G,H,I)PERYLENE	370 U	U	U	390 U	U
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP E: Soil Data for Method OM31B

EPA NO	S15DAA	S15DAD	S15DCA	S16DAA	S16DAD				
OGDEN ID	S15DAA	S15DAD	S15DCA	S16DAA	S16DAD				
Date Sampled	8/21/97	8/21/97	8/28/97	8/20/97	8/20/97				
Depth	0.00	0.00	10.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG)									
PHENOL	360 U		U	360 U		U	350 U		U
BIS(2-CHLOROETHYL) ETHER (2	360 U		U	360 U		U	350 U		U
2-CHLOROPHENOL	360 U		U	360 U		U	350 U		U
1,3-DICHLOROBENZENE	360 U		U	360 U		U	350 U		U
1,4-DICHLOROBENZENE	360 U		U	360 U		U	350 U		U
1,2-DICHLOROBENZENE	360 U		U	360 U		U	350 U		U
2-METHYLPHENOL (O-CRESOL)	360 U		U	360 U		U	350 U		U
2,2'-OXYBIS(1-CHLORO)PROPAN	360 U		U	360 U		U	350 U		U
4-METHYLPHENOL (P-CRESOL)	360 U		U	360 U		U	350 U		U
N-NITROSODI-N-PROPYL AMINE	360 U		U	360 U		U	350 U		U
HEXACHLOROETHANE	360 U		U	360 U		U	350 U		U
NITROBENZENE	360 U		U	360 U		U	350 U		U
ISOPHORONE	360 U		U	360 U		U	350 U		U
2-NITROPHENOL	360 U		U	360 U		U	350 U		U
2,4-DIMETHYLPHENOL	360 U		U	360 U		U	350 U		U
BIS(2-CHLOROETHOXY) METHA	360 U		U	360 U		U	350 U		U
2,4-DICHLOROPHENOL	360 U		U	360 U		U	350 U		U
1,2,4-TRICHLOROBENZENE	360 U		U	360 U		U	350 U		U
NAPHTHALENE	360 U		U	360 U		U	350 U		U
4-CHLOROANILINE	360 U		U	360 U		U	350 U		U
HEXACHLOROBUTADIENE	360 U		U	360 U		U	350 U		U
4-CHLORO-3-METHYLPHENOL	360 U		U	360 U		U	350 U		U
2-METHYLNAPHTHALENE	360 U		U	360 U		U	350 U		U
HEXACHLOROCYCLOPENTADIE	360 U		U	360 U		U	350 U		U
2,4,6-TRICHLOROPHENOL	360 U		U	360 U		U	350 U		U

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GROUP E: Soil Data for Method OM31B

EPA NO	S15DAA	S15DAD	S15DCA	S16DAA	S16DAD					
OGDEN ID	S15DAA	S15DAD	S15DCA	S16DAA	S16DAD					
Date Sampled	8/21/97	8/21/97	8/28/97	8/20/97	8/20/97					
Depth	0.00	0.00	10.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
OM31B (UG/KG) Continued	FLUORANTHENE	360 U	U		360 U	U	380 U	J	J	
	PYRENE	360 U	U		360 U	U	380 U	J	J	
	BENZYL BUTYL PHTHALATE	360 U	U		360 U	U	380 U	U	U	
	3,3'-DICHLOROBENZIDINE	360 U	U		360 U	U	380 U	U	U	
	BENZO(A)ANTHRACENE	360 U	U		360 U	U	380 U	U	U	
	CHRYSENE	360 U	U		360 U	U	380 U	J	J	
	BIS(2-ETHYLHEXYL) PHTHALAT	360 U	U		360 U	U	380 U	J	J	
	DI-N-OCTYL PHTHALATE	360 U	U		360 U	U	380 U	U	U	
	BENZO(B)FLUORANTHENE	360 U	U		360 U	U	380 U	U	U	
	BENZO(K)FLUORANTHENE	360 U	U		360 U	U	380 U	U	U	
	BENZO(A)PYRENE	360 U	U		360 U	U	380 U	U	U	
	INDENO(1,2,3-C,D)PYRENE	360 U	U		360 U	U	380 U	U	U	
	DIBENZ(A,H)ANTHRACENE	360 U	U		360 U	U	380 U	U	U	
	BENZO(G,H,I)PERYLENE	360 U	U		360 U	U	380 U	U	U	
	BIS(2-CHLOROETHYL)ETHER (2-									
	BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE										
DEBENZ(A,H)ANTHRACENE										

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GROUP E: Soil Data for Method OM31B

EPA NO	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA
OGDEN ID	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA
Date Sampled	8/13/97	8/12/97	8/12/97	8/12/97	8/21/97
Depth	10.00	0.00	1.50	10.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	390 U	U	U	350 U	U
BIS(2-CHLOROETHYL) ETHER (2	390 U	U	U	350 U	U
2-CHLOROPHENOL	390 U	U	U	350 U	U
1,3-DICHLOROBENZENE	390 U	U	U	350 U	U
1,4-DICHLOROBENZENE	390 U	U	U	350 U	U
1,2-DICHLOROBENZENE	390 U	U	U	350 U	U
2-METHYLPHENOL (O-CRESOL)	390 U	U	U	350 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	390 U	U	U	350 U	U
4-METHYLPHENOL (P-CRESOL)	390 U	U	U	350 U	U
N-NITROSODI-N-PROPYLAMINE	390 U	U	U	350 U	U
HEXACHLOROETHANE	390 U	U	U	350 U	U
NITROBENZENE	390 U	U	U	350 U	U
ISOPHORONE	390 U	U	U	350 U	U
2-NITROPHENOL	390 U	U	U	350 U	U
2,4-DIMETHYLPHENOL	390 U	U	U	350 U	U
BIS(2-CHLOROETHOXY) METHA	390 U	U	U	350 U	U
2,4-DICHLOROPHENOL	390 U	U	U	350 U	U
1,2,4-TRICHLOROBENZENE	390 U	U	U	350 U	U
NAPHTHALENE	390 U	U	U	350 U	U
4-CHLOROANILINE	390 U	U	U	350 U	U
HEXACHLOROBUTADIENE	390 U	U	U	350 U	U
4-CHLORO-3-METHYLPHENOL	390 U	U	U	350 U	U
2-METHYLNAPHTHALENE	390 U	U	U	350 U	U
HEXACHLOROCYCLOPENTADIE	390 U	U	U	350 U	U
2,4,6-TRICHLOROPHENOL	390 U	U	U	350 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA
OGDEN ID	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA
Date Sampled	8/13/97	8/12/97	8/12/97	8/12/97	8/21/97
Depth	10.00	0.00	1.50	10.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	990 U	U		860 U	U
2-CHLORONAPHTHALENE	390 U	U		340 U	U
2-NITROANILINE	990 U	U		860 U	U
DIMETHYL PHTHALATE	390 U	U		340 U	U
ACENAPHTHYLENE	390 U	U		340 U	U
2,6-DINITROTOLUENE	390 U	U		340 U	U
3-NITROANILINE	990 U	U		860 U	U
ACENAPHTHENE	390 U	U		340 U	U
2,4-DINITROPHENOL	990 U	U		860 U	U
4-NITROPHENOL	990 U	U		860 U	U
DIBENZOFURAN	390 U	U		340 U	U
2,4-DINITROTOLUENE	390 U	UJ		340 U	UJ
DIETHYL PHTHALATE	390 U	U		340 U	U
4-CHLOROPHENYL PHENYL ETH	390 U	U		340 U	U
FLUORENE	390 U	U		340 U	U
4-NITROANILINE	990 U	U		860 U	U
4,6-DINITRO-2-METHYLPHENOL	990 U	U		860 U	U
N-NITROSODIPHENYLAMINE	390 U	U		340 U	U
4-BROMOPHENYL PHENYL ETH	390 U	U		340 U	U
HEXACHLOROBENZENE	390 U	U		340 U	U
PENTACHLOROPHENOL	990 U	U		860 U	U
PHENANTHRENE	390 U	U		340 U	U
ANTHRACENE	390 U	U		340 U	U
CARBAZOLE	390 U	U		340 U	U
DI-N-BUTYL PHTHALATE	390 U	U		340 U	J

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GROUP E: Soil Data for Method OM31B

EPA NO	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA				
OGDEN ID	S16DCA	S17DAA	S17DBA	S17DCA	S19DAA				
Date Sampled	8/13/97	8/12/97	8/12/97	8/12/97	8/21/97				
Depth	10.00	0.00	1.50	10.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued									
FLUORANTHENE	390 U	U	U	370 U	U	U	340 U	U	J
PYRENE	390 U	U	U	370 U	U	U	340 U	U	J
BENZYL BUTYL PHTHALATE	390 U	U	U	370 U	U	U	340 U	U	U
3,3'-DICHLOBENZIDINE	390 U	U	U	370 U	UJ	C	340 U	UJ	C
BENZO(A)ANTHRACENE	390 U	U	U	370 U	U	U	340 U	U	J
CHRYSENE	390 U	U	U	370 U	U	U	340 U	U	J
BIS(2-ETHYLHEXYL) PHTHALAT	36.0 J	J	U	370 U	U	U	27.0 J	J	J
DI-N-OCTYLPHTHALATE	390 U	U	U	370 U	U	U	340 U	U	U
BENZO(B)FLUORANTHENE	390 U	U	U	370 U	U	U	340 U	U	J
BENZO(K)FLUORANTHENE	390 U	U	U	370 U	U	U	340 U	U	J
BENZO(A)PYRENE	390 U	U	U	370 U	U	U	340 U	U	J
INDENO(1,2,3-C,D)PYRENE	390 U	U	U	370 U	U	U	340 U	U	J
DIBENZ(A,H)ANTHRACENE	390 U	U	U	370 U	U	U	340 U	U	U
BENZO(G,H)PERYLENE	390 U	U	U	370 U	U	U	340 U	U	J
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA								
OGDEN ID	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA								
Date Sampled	8/21/97	10/23/97	7/21/97	7/21/97	8/21/97								
Depth	0.00	10.00	40.00	70.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL				
OM31B (UG/KG)													
PHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
BIS(2-CHLOROETHYL) ETHER (2	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2-CHLOROPHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
1,3-DICHLOROBENZENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
1,4-DICHLOROBENZENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
1,2-DICHLOROBENZENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2-METHYLPHENOL (O-CRESOL)	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
4-METHYLPHENOL (P-CRESOL)	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
N-NITROSODI-N-PROPYLAMINE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
HEXACHLOROETHANE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
NITROBENZENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
ISOPHORONE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2-NITROPHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2,4-DIMETHYLPHENOL	380 U	R	H	340 U	U		180 U	UJ	*5	170 U	UJ	590 U	U
BIS(2-CHLOROETHOXY) METHA	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2,4-DICHLOROPHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
1,2,4-TRICHLOROBENZENE	380 U	R	H	340 U	U		1,800 B	UJ	B	250	UJ	590 U	U
NAPHTHALENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
4-CHLOROANILINE	380 U	R	H	340 U	U		180 U	UJ	*5	170 U	UJ	590 U	U
HEXACHLOROBUTADIENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
4-CHLORO-3-METHYLPHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
2-METHYLNAPHTHALENE	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U
HEXACHLOROCYCLOPENTADIE	380 U	R	H	340 U	UJ	C	180 U	UJ	*5	170 U	UJ	590 U	U
2,4,6-TRICHLOROPHENOL	380 U	R	H	340 U	U		180 U	U		170 U	U	590 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA
OGDEN ID	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA
Date Sampled	8/21/97	10/23/97	7/21/97	7/21/97	8/21/97
Depth	0.00	10.00	40.00	70.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	940 U	R	H	860 U	U
2-CHLORONAPHTHALENE	380 U	R	H	340 U	U
2-NITROANILINE	940 U	R	H	860 U	U
DIMETHYL PHTHALATE	380 U	R	H	340 U	U
ACENAPHTHYLENE	380 U	R	H	340 U	U
2,6-DINITROTOLUENE	40.0 J	J	H	340 U	U
3-NITROANILINE	940 U	R	H	860 U	UJ
ACENAPHTHENE	380 U	R	H	340 U	U
2,4-DINITROPHENOL	940 U	R	H	860 U	U
4-NITROPHENOL	940 U	R	H	860 U	U
DIBENZOFURAN	380 U	R	H	340 U	U
2,4-DINITROTOLUENE	1,800	J	H,*8	340 U	U
DIETHYL PHTHALATE	380 U	R	H	340 U	U
4-CHLOROPHENYL PHENYL ETH	380 U	R	H	340 U	U
FLUORENE	380 U	R	H	340 U	U
4-NITROANILINE	940 U	R	H	860 U	U
4,6-DINITRO-2-METHYLPHENOL	940 U	R	H	860 U	U
N-NITROSODIPHENYLAMINE	930	J	H,*8	340 U	U
4-BROMOPHENYL PHENYL ETH	380 U	R	H	340 U	U
HEXACHLOROBENZENE	380	J	H	340 U	UJ
PENTACHLOROPHENOL	940 U	R	H	860 U	UJ
PHENANTHRENE	20.0 J	J	H	340 U	U
ANTHRACENE	380 U	R	H	340 U	U
CARBAZOLE	380 U	R	H	340 U	UJ
DI-N-BUTYL PHTHALATE	22.0 J	J	H,F	340 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA				
OGDEN ID	S19DAD	S19DCA	S23DFA	S23DIA	S25DAA				
Date Sampled	8/21/97	10/23/97	7/21/97	7/21/97	8/21/97				
Depth	0.00	10.00	40.00	70.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31B (UG/KG) Continued									
FLUORANTHENE	62.0 J	J	H	340 U	U		180 U	U	
PYRENE	64.0 J	J	H	340 U	U		180 U	U	
BENZYL BUTYL PHTHALATE	380 U	R	H	340 U	U		180 U	U	
3,3'-DICHLOROBENZIDINE	380 U	R	H	340 U	U		180 U	UJ	*5
BENZO(A)ANTHRACENE	53.0 J	J	H	340 U	U		180 U	U	
CHRYSENE	98.0 J	J	H	340 U	U		180 U	U	
BIS(2-ETHYLHEXYL) PIITHALAT	300 J	J	H	38.0 J	J		20.0 J	U	
DI-N-OCTYL PHTHALATE	380 U	R	H	340 U	U		180 U	U	
BENZO(B)FLUORANTHENE	68.0 J	J	H	340 U	U		180 U	U	
BENZO(K)FLUORANTHENE	80.0 J	J	H	340 U	U		180 U	U	
BENZO(A)PYRENE	39.0 J	J	H	340 U	U		180 U	U	
INDENO(1,2,3-C,D)PYRENE	29.0 J	J	H	340 U	U		180 U	UJ	*5
DIBENZ(A,H)ANTHRACENE	380 U	R	H	340 U	U		180 U	UJ	*5
BENZO(G,H,I)PERYLENE	30.0 J	J	H	340 U	U		180 U	UJ	*5
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

EPA NO	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD
OGDEN ID	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD
Date Sampled	8/21/97	8/20/97	8/20/97	8/20/97	8/20/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	500 U	U	U	390 U	U
BIS(2-CHLOROETHYL) ETHER (2	500 U	U	U	390 U	U
2-CHLOROPHENOL	500 U	U	U	390 U	U
1,3-DICHLOROBENZENE	500 U	U	U	390 U	U
1,4-DICHLOROBENZENE	500 U	U	U	390 U	U
1,2-DICHLOROBENZENE	500 U	U	U	390 U	U
2-METHYLPHENOL (O-CRESOL)	500 U	U	U	390 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	500 U	U	U	390 U	U
4-METHYLPHENOL (P-CRESOL)	500 U	U	U	390 U	U
N-NITROSODI-N-PROPYLAMINE	500 U	U	U	390 U	U
HEXACHLOROETHANE	500 U	U	U	390 U	U
NITROBENZENE	500 U	U	U	390 U	U
ISOPHORONE	500 U	U	U	390 U	U
2-NITROPHENOL	500 U	U	U	390 U	U
2,4-DIMETHYLPHENOL	500 U	U	U	390 U	U
BIS(2-CHLOROETHOXY) METHA	500 U	U	U	390 U	U
2,4-DICHLOROPHENOL	500 U	U	U	390 U	U
1,2,4-TRICHLOROBENZENE	500 U	U	U	390 U	U
NAPHTHALENE	500 U	U	U	390 U	U
4-CHLOROANILINE	500 U	U	U	390 U	U
HEXACHLOROBUTADIENE	500 U	U	U	390 U	U
4-CHLORO-3-METHYLPHENOL	500 U	U	U	390 U	U
2-METHYLNAPHTHALENE	500 U	U	U	390 U	U
HEXACHLOROCYCLOPENTADIENE	500 U	U	U	390 U	U
2,4,6-TRICHLOROPHENOL	500 U	U	U	390 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD
OGDEN ID	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD
Date Sampled	8/21/97	8/20/97	8/20/97	8/20/97	8/20/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	1,200 U	U	U	980 U	U
2-CHLORONAPHTHALENE	500 U	U	U	390 U	U
2-NITROANILINE	1,200 U	U	U	980 U	U
DIMETHYL PHTHALATE	500 U	U	U	390 U	U
ACENAPHTHYLENE	500 U	U	U	390 U	U
2,6-DINITROTOLUENE	500 U	U	U	390 U	U
3-NITROANILINE	1,200 U	U	U	980 U	U
ACENAPHTHENE	500 U	U	U	390 U	U
2,4-DINITROPHENOL	1,200 U	U	U	980 U	U
4-NITROPHENOL	1,200 U	U	U	980 U	U
DIBENZOFURAN	500 U	U	U	390 U	U
2,4-DINITROTOLUENE	500 U	U	U	390 U	U
DIETHYL PHTHALATE	500 U	U	U	390 U	U
4-CHLOROPHENYL PHENYL ETH	500 U	U	U	390 U	U
FLUORENE	500 U	U	U	390 U	U
4-NITROANILINE	1,200 U	U	U	980 U	U
4,6-DINITRO-2-METHYLPHENOL	1,200 U	U	U	980 U	U
N-NITROSODIPHENYLAMINE	500 U	U	U	390 U	U
4-BROMOPHENYL PHENYL ETH	500 U	U	U	390 U	U
HEXACHLOROBENZENE	500 U	U	U	390 U	U
PENTACHLOROPHENOL	1,200 U	U	U	980 U	U
PHENANTHRENE	500 U	U	U	390 U	U
ANTHRACENE	500 U	U	U	390 U	U
CARBAZOLE	500 U	U	U	390 U	U
DI-N-BUTYL PHTHALATE	500 U	U	U	390 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD	
OGDEN ID	S25DAD	S26DAA	S26DAD	S27DAA	S27DAD	
Date Sampled	8/21/97	8/20/97	8/20/97	8/20/97	8/20/97	
Depth	0.00	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued						
FLUORANTHENE	500 U	U	U	390 U	U	U
PYRENE	500 U	U	U	390 U	U	U
BENZYL BUTYL PHTHALATE	500 U	U	U	390 U	U	U
3,3'-DICHLOROBENZIDINE	500 U	U	U	390 U	U	U
BENZO(A)ANTHRACENE	500 U	U	U	390 U	U	U
CHRYSENE	500 U	U	U	390 U	U	U
BIS(2-ETHYLHEXYL) PHTHALAT	500 U	U	U	390 U	UJ	C
DI-N-OCTYL PHTHALATE	500 U	U	U	390 U	U	U
BENZO(B)FLUORANTHENE	500 U	U	U	390 U	U	U
BENZO(K)FLUORANTHENE	500 U	U	U	390 U	U	U
BENZO(A)PYRENE	500 U	U	U	390 U	U	U
INDENO(1,2,3-C,D)PYRENE	500 U	U	U	390 U	U	U
DIBENZ(A,H)ANTHRACENE	500 U	U	U	390 U	U	U
BENZO(G,H,I)PERYLENE	500 U	U	U	390 U	U	U
BIS(2-CHLOROETHYL)ETHER (2-						
BIS(2-CHLOROETHOXY)METHAN						
CARBOZOLE						
DEBENZ(A,H)ANTHRACENE						

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GROUP E: Soil Data for Method OM31B

EPA NO	S28DAA	S28DCA	S28DIA	S29DAA	S29DCA
OGDEN ID	S28DAA	S28DCA	S28DIA	S29DAA	S29DCA
Date Sampled	7/29/97	7/28/97	7/29/97	7/31/97	7/31/97
Depth	0.00	10.00	100.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG)					
PHENOL	370 U	U		370 U	U
BIS(2-CHLOROETHYL) ETHER (2	370 U	U		370 U	U
2-CHLOROPHENOL	370 U	U		370 U	U
1,3-DICHLOROBENZENE	370 U	U		370 U	U
1,4-DICHLOROBENZENE	370 U	U		370 U	U
1,2-DICHLOROBENZENE	370 U	U		370 U	U
2-METHYLPHENOL (O-CRESOL)	370 U	U		370 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	370 U	UJ	C	370 U	UJ
4-METHYLPHENOL (P-CRESOL)	370 U	U		370 U	U
N-NITROSODI-N-PROPYLAMINE	370 U	U		370 U	U
HEXACHLOROETHANE	370 U	U		370 U	U
NITROBENZENE	370 U	U		370 U	U
ISOPHORONE	370 U	U		370 U	U
2-NITROPHENOL	370 U	U		370 U	U
2,4-DIMETHYLPHENOL	370 U	U		370 U	U
BIS(2-CHLOROETHOXY) METHA	370 U	U		370 U	U
2,4-DICHLOROPHENOL	370 U	U		370 U	U
1,2,4-TRICHLOROBENZENE	370 U	U		370 U	U
NAPHTHALENE	370 U	U		370 U	U
4-CHLOROANILINE	370 U	UJ	C	370 U	UJ
HEXACHLOROBUTADIENE	370 U	U		370 U	U
4-CHLORO-3-METHYLPHENOL	370 U	U		370 U	U
2-METHYLNAPHTHALENE	370 U	U		370 U	U
HEXACHLOROCYCLOPENTADIE	370 U	U		370 U	U
2,4,6-TRICHLOROPHENOL	370 U	U		370 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S28DAA	S28DCA	S28DLA	S29DAA	S29DCA
OGDEN ID	S28DAA	S28DCA	S28DLA	S29DAA	S29DCA
Date Sampled	7/29/97	7/28/97	7/29/97	7/31/97	7/31/97
Depth	0.00	10.00	100.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	920 U	U		980 U	U
2-CHLORONAPHTHALENE	370 U	U		390 U	U
2-NITROANILINE	920 U	U		980 U	U
DIMETHYL PHTHALATE	370 U	U		390 U	U
ACENAPHTHYLENE	370 U	U		390 U	U
2,6-DINITROTOLUENE	370 U	U		390 U	U
3-NITROANILINE	920 U	U		980 U	U
ACENAPHTHENE	370 U	U		390 U	U
2,4-DINITROPHENOL	920 U	U		980 U	U
4-NITROPHENOL	920 U	UJ C		980 U	UJ C
DIBENZOFURAN	370 U	U		390 U	U
2,4-DINITROTOLUENE	370 U	U		390 U	U
DIETHYL PHTHALATE	370 U	U		390 U	U
4-CHLOROPHENYL PHENYL ETH	370 U	U		390 U	U
FLUORENE	370 U	U		390 U	U
4-NITROANILINE	920 U	U		980 U	U
4,6-DINITRO-2-METHYLPHENOL	920 U	U		980 U	U
N-NITROSODIPHENYLAMINE	370 U	U		390 U	U
4-BROMOPHENYL PHENYL ETH	370 U	U		390 U	U
HEXACHLOROBENZENE	370 U	U		390 U	U
PENTACHLOROPHENOL	920 U	U		980 U	U
PHENANTHRENE	370 U	U		390 U	U
ANTHRACENE	370 U	U		390 U	U
CARBAZOLE	370 U	U		390 U	U
DI-N-BUTYL PHTHALATE	370 U	U		390 U	U

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GROUP E: Soil Data for Method OM31B

EPA NO	S28DAA	S28DCA	S28DLA	S29DAA	S29DCA				
OGDEN ID	S28DAA	S28DCA	S28DLA	S29DAA	S29DCA				
Date Sampled	7/29/97	7/28/97	7/29/97	7/31/97	7/31/97				
Depth	0.00	10.00	100.00	0.00	10.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31B (UG/KG) Continued									
FLUORANTHENE	370 U	U	U	340 U	U	U	370 U	U	U
PYRENE	370 U	U	U	340 U	U	U	370 U	U	U
BENZYL BUTYL PHTHALATE	370 U	U	U	340 U	U	U	370 U	UJ C	UJ C
3,3'-DICHLOBENZIDINE	370 U	UJ C	U	340 U	UJ C	U	370 U	U	U
BENZO(A)ANTHRACENE	370 U	U	U	340 U	U	U	370 U	U	U
CHRYSENE	370 U	U	U	340 U	U	U	370 U	U	U
BIS(2-ETHYLHEXYL) PHTHALAT	370 U	U	U	35.0 J	J	U	370 U	UJ C	UJ C
DL-N-OCTYL PHTHALATE	370 U	UJ C	U	340 U	UJ C	U	370 U	U	U
BENZO(B)FLUORANTHENE	370 U	U	U	340 U	U	U	370 U	U	U
BENZO(K)FLUORANTHENE	370 U	UJ C	U	340 U	UJ C	U	370 U	U	U
BENZO(A)PYRENE	370 U	U	U	340 U	U	U	370 U	U	U
INDENO(1,2,3-C,D)PYRENE	370 U	U	U	340 U	U	U	370 U	U	U
DIBENZ(A,H)ANTHRACENE	370 U	U	U	340 U	U	U	370 U	U	U
BENZO(G,H)PERYLENE	370 U	U	U	340 U	U	U	370 U	U	U
BIS(2-CHLOROETHYL)ETHER (2-									
BIS(2-CHLOROETHOXY)METHAN									
CARBOZOLE									
DEBENZ(A,H)ANTHRACENE									

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GROUP E: Soil Data for Method OM31B

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EPA NO	S29DFA	S30DCA	?	?
OGDEN ID	S29DFA	S30DCA		
Date Sampled	7/31/97	10/27/97		
Depth	40.00	10.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT
OM31B (UG/KG)				
PHENOL	340 U	340 U	U	
BIS(2-CHLOROETHYL) ETHER (2	340 U	340 U	U	
2-CHLOROPHENOL	340 U	340 U	U	
1,3-DICHLOROBENZENE	340 U	340 U	U	
1,4-DICHLOROBENZENE	340 U	340 U	U	
1,2-DICHLOROBENZENE	340 U	340 U	U	
2-METHYLPHENOL (O-CRESOL)	340 U	340 U	U	
2,2-OXYBIS(1-CHLORO)PROPAN	340 U	340 U	U	
4-METHYLPHENOL (P-CRESOL)	340 U	340 U	U	
N-NITROSODI-N-PROPYLAMINE	340 U	340 U	U	
HEXACHLOROETHANE	340 U	340 U	U	
NITROBENZENE	340 U	340 U	U	
ISOPHORONE	340 U	340 U	U	
2-NITROPHENOL	340 U	340 U	U	
2,4-DIMETHYLPHENOL	340 U	340 U	U	
BIS(2-CHLOROETHOXY) METHA	340 U	340 U	U	
2,4-DICHLOROPHENOL	340 U	340 U	U	
1,2,4-TRICHLOROBENZENE	340 U	340 U	U	
NAPHTHALENE	340 U	340 U	U	
4-CHLOROANILINE	340 U	340 U	U	
HEXACHLOROBUTADIENE	340 U	340 U	U	
4-CHLORO-3-METHYLPHENOL	340 U	340 U	U	
2-METHYLNAPHTHALENE	340 U	340 U	U	
HEXACHLOROCYCLOPENTADIE	340 U	340 U	U	
2,4,6-TRICHLOROPHENOL	340 U	340 U	U	

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GROUP E: Soil Data for Method OM31B

EPA NO	S29DFA	S30DCA	?	?	?
OGDEN ID	S29DFA	S30DCA			
Date Sampled	7/31/97	10/27/97			
Depth	40.00	10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
2,4,5-TRICHLOROPHENOL	860 U	U	U		
2-CHLORONAPHTHALENE	340 U	U	U		
2-NITROANILINE	860 U	U	U		
DIMETHYL PHTHALATE	340 U	U	U		
ACENAPHTHYLENE	340 U	U	U		
2,6-DINITROTOLUENE	340 U	U	U		
3-NITROANILINE	860 U	U	UJ		
ACENAPHTHENE	340 U	U	U		
2,4-DINITROPHENOL	860 U	U	U		
4-NITROPHENOL	860 U	U	U		
DIBENZOFURAN	340 U	U	U		
2,4-DINITROTOLUENE	340 U	U	U		
DIETHYL PHTHALATE	340 U	U	U		
4-CHLOROPHENYL PHENYL ETH	340 U	U	U		
FLUORENE	340 U	U	U		
4-NITROANILINE	860 U	U	UJ		
4,6-DINITRO-2-METHYLPHENOL	860 U	U	U		
N-NITROSODIPHENYLAMINE	340 U	U	U		
4-BROMOPHENYL PHENYL ETH	340 U	U	U		
HEXACHLOROBENZENE	340 U	U	U		
PENTACHLOROPHENOL	860 U	U	U		
PHENANTHRENE	340 U	U	U		
ANTHRACENE	340 U	U	U		
CARBAZOLE	340 U	U	UJ		
DI-N-BUTYL PHTHALATE	340 U	U	U		

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GROUP E: Soil Data for Method OM31B

EPA NO	S29DFA	S30DCA	?	?	?
OGDEN ID	S29DFA	S30DCA			
Date Sampled	7/31/97	10/27/97			
Depth	40.00	10.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31B (UG/KG) Continued					
FLUORANTHENE	340 U	U			
PYRENE	340 U	U			
BENZYL BUTYL PHTHALATE	340 U	UJ C			
3,3'-DICHLOROBENZIDINE	340 U	U			
BENZO(A)ANTHRACENE	340 U	U			
CHRYSENE	340 U	U			
BIS(2-ETHYLHEXYL) PHTHALAT	340 U	UJ C			
DI-N-OCTYLPHTHALATE	340 U	U			
BENZO(B)FLUORANTHENE	340 U	U			
BENZO(K)FLUORANTHENE	340 U	U			
BENZO(A)PYRENE	340 U	U			
INDENO(1,2,3-C,D)PYRENE	340 U	U			
DIBENZ(A,H)ANTHRACENE	340 U	U			
BENZO(G,H,I)PERYLENE	340 U	U			
BIS(2-CHLOROETHYL)ETHER (2-					
BIS(2-CHLOROETHOXY)METHAN					
CARBOZOLE					
DEBENZ(A,H)ANTHRACENE					

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GROUP F: Water Data for Method OC21B

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EPA NO	B03OAE	G00DAA	S01DFE	S02DAE	S04DAE
OGDEN ID	B03OAE	G00DAA	S01DFE	S02DAE	S04DAE
Date Sampled	9/10/97	8/27/97	8/21/97	8/20/97	8/13/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OC21B (UG/L)					
PHENOL	5.00 U	U	5.00 U	U	5.00 U
BIS(2-CHLOROETHYL) ETHER (2	5.00 U	U	5.00 U	U	5.00 U
2-CHLOROPHENOL	5.00 U	U	5.00 U	U	5.00 U
1,3-DICHLOROBENZENE	5.00 U	R	5.00 U	R	5.00 U
1,4-DICHLOROBENZENE	5.00 U	R	5.00 U	R	5.00 U
1,2-DICHLOROBENZENE	5.00 U	R	5.00 U	R	5.00 U
2-METHYLPHENOL (O-CRESOL)	5.00 U	U	5.00 U	U	5.00 U
2,2'-OXYBIS(1-CHLORO)PROPAN	5.00 U	U	5.00 U	U	5.00 U
4-METHYLPHENOL (P-CRESOL)	5.00 U	U	5.00 U	U	5.00 U
N-NITROSODI-N-PROPYLAMINE	5.00 U	U	5.00 U	U	5.00 U
HEXACHLOROETHANE	5.00 U	U	5.00 U	U	5.00 U
NITROBENZENE	5.00 U	U	5.00 U	U	5.00 U
ISOPHORONE	5.00 U	U	5.00 U	U	5.00 U
2-NITROPHENOL	5.00 U	U	5.00 U	U	5.00 U
2,4-DIMETHYLPHENOL	5.00 U	U	5.00 U	U	5.00 U
BIS(2-CHLOROETHOXY) METHA	5.00 U	U	5.00 U	U	5.00 U
2,4-DICHLOROPHENOL	5.00 U	U	5.00 U	U	5.00 U
1,2,4-TRICHLOROBENZENE	5.00 U	U	5.00 U	U	5.00 U
NAPHTHALENE	5.00 U	U	5.00 U	U	5.00 U
4-CHLOROANILINE	5.00 U	U	5.00 U	U	5.00 U
HEXACHLOROBUTADIENE	5.00 U	U	5.00 U	U	5.00 U
4-CHLORO-3-METHYLPHENOL	5.00 U	U	5.00 U	U	5.00 U
2-METHYLNAPHTHALENE	5.00 U	U	5.00 U	U	5.00 U
HEXACHLOROCYCLOPENTADIENE	5.00 U	U	5.00 U	U	5.00 U
2,4,6-TRICHLOROPHENOL	5.00 U	U	5.00 U	U	5.00 U

GROUP F: Water Data for Method OC21B

EPA NO	B03OAE	G00DAA	S01D1E	S02DAE	S04DAE
OGDEN ID	B03OAE	G00DAA	S01D1E	S02DAE	S04DAE
Date Sampled	9/10/97	8/27/97	8/21/97	8/20/97	8/13/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21B (UG/L) Continued					
2,4,5-TRICHLOROPHENOL	22.0 U	U	U	20.0 U	U
2-CHLORONAPHTHALENE	5.00 U	U	U	5.00 U	U
2-NITROANILINE	22.0 U	U	U	20.0 U	U
DIMETHYL PHTHALATE	5.00 U	U	U	5.00 U	U
ACENAPHTHYLENE	5.00 U	U	U	5.00 U	U
2,6-DINITROTOLUENE	5.00 U	U	U	5.00 U	U
3-NITROANILINE	22.0 U	U	U	20.0 U	U
ACENAPHTHENE	5.00 U	U	U	5.00 U	U
2,4-DINITROPHENOL	22.0 U	U	U	20.0 U	U
4-NITROPHENOL	22.0 U	U	U	20.0 U	U
DIBENZOFURAN	5.00 U	U	U	5.00 U	U
2,4-DINITROTOLUENE	5.00 U	U	U	5.00 U	U
DIETHYL PHTHALATE	5.00 U	U	U	5.00 U	U
FLUORENE	5.00 U	U	U	5.00 U	U
4-CHLOROPHENYL PHENYL ETH	5.00 U	U	U	5.00 U	U
4-NITROANILINE	22.0 U	U	U	20.0 U	U
4,6-DINITRO-2-METHYLPHENOL	22.0 U	U	U	20.0 U	U
N-NITROSODIPHENYLAMINE	5.00 U	U	U	5.00 U	U
4-BROMOPHENYL PHENYL ETH	5.00 U	U	U	5.00 U	U
HEXACHLOROBENZENE	5.00 U	U	U	5.00 U	U
PENTACHLOROPHENOL	22.0 U	U	U	20.0 U	U
PHENANTHRENE	5.00 U	U	U	5.00 U	U
ANTHRACENE	5.00 U	U	U	5.00 U	U
CARBAZOLE	5.00 U	U	U	5.00 U	U
DI-N-BUTYL PHTHALATE	5.00 U	U	U	5.00 U	U

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GROUP F: Water Data for Method OC21B

EPA NO	B03OAE	G00DAA	S01DFF	S02DAE	S04DAE
OGDEN ID	B03OAE	G00DAA	S01DFF	S02DAE	S04DAE
Date Sampled	9/10/97	8/27/97	8/21/97	8/20/97	8/13/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OC21B (UG/L) Continued					
FLUORANTHENE	5.00 U	U	5.00 U	5.00 U	U
PYRENE	5.00 U	U	5.00 U	5.00 U	U
BENZYL BUTYL PHTHALATE	5.00 U	U	5.00 U	5.00 U	U
3,3'-DICHLOROBENZIDINE	5.00 U	U	5.00 U	5.00 U	U
BENZO(A)ANTHRACENE	5.00 U	U	5.00 U	5.00 U	U
CHRYSENE	5.00 U	U	5.00 U	5.00 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	5.00 U	U	10.0 UJ	16.0 UJ	U
DI-N-OCTYL PHTHALATE	5.00 U	U	5.00 U	5.00 U	U
BENZO(B)FLUORANTHENE	5.00 U	U	5.00 U	5.00 U	U
BENZO(K)FLUORANTHENE	5.00 U	U	5.00 U	5.00 U	U
BENZO(A)PYRENE	5.00 U	U	5.00 U	5.00 U	U
INDENO(1,2,3-C,D)PYRENE	5.00 U	U	5.00 U	5.00 U	U
DIBENZ(A,H)ANTHRACENE	5.00 U	U	5.00 U	5.00 U	U
BENZO(G,H,I)PERYLENE	5.00 U	U	5.00 U	5.00 U	U

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GROUP F: Water Data for Method OC21B

EPA NO	S04DAF	S11DAF	S12DAF	S14DAFb	S14DDF
OGDEN ID	S04DAF	S11DAF	S12DAF	S14DAF	S14DDF
Date Sampled	8/13/97	8/8/97	8/5/97	7/29/97	7/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OC21B (UG/L)					
PHENOL	5.00 U	U	U	5.00 U	U
BIS(2-CHLOROETHYL) ETHER (2	5.00 U	U	U	5.00 U	U
2-CHLOROPHENOL	5.00 U	U	U	5.00 U	U
1,3-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U
1,4-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U
1,2-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U
2-METHYLPHENOL (O-CRESOL)	5.00 U	U	U	5.00 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	5.00 U	U	U	5.00 U	U
4-METHYLPHENOL (P-CRESOL)	5.00 U	U	U	5.00 U	U
N-NITROSODI-N-PROPYLAMINE	5.00 U	U	U	5.00 U	U
HEXACHLOROETHANE	5.00 U	U	U	5.00 U	U
NITROBENZENE	5.00 U	U	U	5.00 U	U
ISOPHORONE	5.00 U	U	U	5.00 U	U
2-NITROPHENOL	5.00 U	U	U	5.00 U	U
2,4-DIMETHYLPHENOL	5.00 U	U	U	5.00 U	U
BIS(2-CHLOROETHOXY) METHA	5.00 U	U	U	5.00 U	U
2,4-DICHLOROPHENOL	5.00 U	U	U	5.00 U	U
1,2,4-TRICHLOROBENZENE	5.00 U	U	U	5.00 U	U
NAPHTHALENE	5.00 U	U	U	5.00 U	U
4-CHLOROANILINE	5.00 U	U	U	5.00 U	U
HEXACHLOROBTADIENE	5.00 U	U	U	5.00 U	U
4-CHLORO-3-METHYLPHENOL	5.00 U	U	U	5.00 U	U
2-METHYLNAPHTHALENE	5.00 U	U	U	5.00 U	U
HEXACHLOROCYCLOPENTADIE	5.00 U	U	U	5.00 U	U
2,4,6-TRICHLOROPHENOL	5.00 U	U	U	5.00 U	U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP F: Water Data for Method OC21B

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EPA NO	S04DAF	S11DAE	S12DAE	S14DAF/b	S14DDF
OGDEN ID	S04DAF	S11DAE	S12DAE	S14DAE	S14DDF
Date Sampled	8/13/97	8/8/97	8/5/97	7/29/97	7/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OC21B (UG/L) Continued					
2,4,5-TRICHLOROPHENOL	20.0 U	U	U	20.0 U	U
2-CHLORONAPHTHALENE	5.00 U	U	U	5.00 U	U
2-NITROANILINE	20.0 U	U	U	20.0 U	U
DIMETHYL PHTHALATE	5.00 U	U	U	5.00 U	U
ACENAPHTHYLENE	5.00 U	U	U	5.00 U	U
2,6-DINITROTOLUENE	5.00 U	U	U	5.00 U	U
3-NITROANILINE	20.0 U	U	U	20.0 U	U
ACENAPHTHENE	5.00 U	U	U	5.00 U	U
2,4-DINITROPHENOL	20.0 U	U	U	20.0 U	U
4-NITROPHENOL	20.0 U	U	U	20.0 U	U
DIBENZOFURAN	5.00 U	U	U	5.00 U	U
2,4-DINITROTOLUENE	5.00 U	U	U	5.00 U	U
DIETHYL PHTHALATE	5.00 U	U	U	5.00 U	U
FLUORENE	5.00 U	U	U	5.00 U	U
4-CHLOROPHENYL PHENYL ETH	5.00 U	U	U	5.00 U	U
4-NITROANILINE	20.0 U	U	U	20.0 U	U
4,6-DINITRO-2-METHYL.PHENOL	20.0 U	U	U	20.0 U	U
N-NITROSODIPHENYL.AMINE	5.00 U	U	U	5.00 U	U
4-BROMOPHENYL PHENYL ETH	5.00 U	U	U	5.00 U	U
HEXACHLOROBENZENE	5.00 U	U	U	5.00 U	U
PENTACHLOROPHENOL	20.0 U	U	U	20.0 U	U
PHENANTHRENE	5.00 U	U	U	5.00 U	U
ANTHRACENE	5.00 U	U	U	5.00 U	U
CARBAZOLE	5.00 U	U	U	5.00 U	U
DI-N-BUTYL PHTHALATE	1.00 J	J	J	10.0 U	12.0

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GROUP F: Water Data for Method OC21B

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EPA NO	S04DAF	S11DAF	S12DAF	S14DAFb	S14DDF
OGDEN ID	S04DAF	S11DAF	S12DAF	S14DAF	S14DDF
Date Sampled	8/13/97	8/8/97	8/5/97	7/29/97	7/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21B (Ug/L) Continued					
FLUORANTHENE	5.00 U	U	U	5.00 U	U
PYRENE	5.00 U	U	U	5.00 U	U
BENZYL BUTYL PHTHALATE	5.00 U	U	U	5.00 U	U
3,3'-DICHLOROBENZIDINE	5.00 U	U	U	5.00 U	U
BENZO(A)ANTHRACENE	5.00 U	U	U	5.00 U	U
CHRYSENE	5.00 U	U	U	5.00 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	5.00 U	U	U	5.00 U	U
DI-N-OCTYL PHTHALATE	5.00 U	U	U	5.00 U	U
BENZO(B)FLUORANTHENE	5.00 U	U	U	5.00 U	U
BENZO(K)FLUORANTHENE	5.00 U	U	U	5.00 U	U
BENZO(A)PYRENE	5.00 U	U	U	5.00 U	U
INDENO(1,2,3-C,D)PYRENE	5.00 U	U	U	5.00 U	U
DIBENZ(A,H)ANTHRACENE	5.00 U	U	U	5.00 U	U
BENZO(G,H,D)PERYLENE	5.00 U	U	U	5.00 U	U

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Ogden Environmental and Energy Services

Technical Inform

Validated MMR Data for SDGs 1-17, 28-30
GROUP F: Water Data for Method OC21B

EPA NO	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
OGDEN ID	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
Date Sampled	8/12/97	7/28/97	7/31/97	10/29/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21B (UG/L)									
PHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
BIS(2-CHLOROETHYL) ETHER (2	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2-CHLOROPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
1,3-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U	U	5.00 U	R	*10
1,4-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U	U	5.00 U	R	*10
1,2-DICHLOROBENZENE	5.00 U	U	U	5.00 U	U	U	5.00 U	R	*10
2-METHYLPHENOL (O-CRESOL)	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
4-METHYLPHENOL (P-CRESOL)	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
N-NITROSODI-N-PROPYLAMINE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
HEXACHLOROETHANE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
NITROBENZENE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
ISOPHORONE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2-NITROPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2,4-DIMETHYLPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
BIS(2-CHLOROETHOXY) METHA	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2,4-DICHLOROPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
1,2,4-TRICHLOROBENZENE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
NAPHTHALENE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
4-CHLOROANILINE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
HEXACHLOROBTADIENE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
4-CHLORO-3-METHYLPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2-METHYLNAPHTHALENE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
HEXACHLOROCYCLOPENTADIE	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U
2,4,6-TRICHLOROPHENOL	5.00 U	U	U	5.00 U	U	U	5.00 U	U	U

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GROUP F: Water Data for Method OC21B

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EPA NO	S17DAE	S28DAE	S29DAE	W09SSA	W09SSD
OGDEN ID	S17DAE	S28DAE	S29DAE	W09SSA	W09SSD
Date Sampled	8/12/97	7/28/97	7/31/97	10/29/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OC21B (UG/L) Continued					
2,4,5-TRICHLOROPHENOL	20.0 U	21.0 U	U	20.0 U	U
2-CHLORONAPHTHALENE	5.00 U	5.00 U	U	5.00 U	U
2-NITROANILINE	20.0 U	21.0 U	U	20.0 U	U
DIMETHYL PHTHALATE	5.00 U	5.00 U	U	5.00 U	U
ACENAPHTHYLENE	5.00 U	5.00 U	U	5.00 U	U
2,6-DINITROTOLUENE	5.00 U	5.00 U	U	5.00 U	U
3-NITROANILINE	20.0 U	21.0 U	U	20.0 U	U
ACENAPHTHENE	5.00 U	5.00 U	U	5.00 U	U
2,4-DINITROPHENOL	20.0 U	21.0 U	U	20.0 U	U
4-NITROPHENOL	20.0 U	21.0 U	U	20.0 U	U
DIBENZOFURAN	5.00 U	5.00 U	U	5.00 U	U
2,4-DINITROTOLUENE	5.00 U	5.00 U	U	5.00 U	U
DIETHYL PHTHALATE	2.00 J	2.00 U	J	5.00 U	U
FLUORENE	5.00 U	5.00 U	U	5.00 U	U
4-CHLOROPHENYL PHENYL ETH	5.00 U	5.00 U	U	5.00 U	U
4-NITROANILINE	20.0 U	21.0 U	U	20.0 U	U
4,6-DINITRO-2-METHYLPHENOL	20.0 U	21.0 U	U	20.0 U	U
N-NITROSODIPHENYLAMINE	5.00 U	5.00 U	U	5.00 U	U
4-BROMOPHENYL PHENYL ETH	5.00 U	5.00 U	U	5.00 U	U
HEXACHLOROBENZENE	5.00 U	5.00 U	U	5.00 U	U
PENTACHLOROPHENOL	20.0 U	21.0 U	U	20.0 U	U
PHENANTHRENE	5.00 U	5.00 U	U	5.00 U	U
ANTHRACENE	5.00 U	5.00 U	U	5.00 U	U
CARBAZOLE	5.00 U	5.00 U	U	5.00 U	U
DI-N-BUTYL PHTHALATE	12.0	14.0 U	9.00	5.00 U	U

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GROUP F: Water Data for Method OC21B

EPA NO	S17DAE	S28DCI	S29DAE	W09SSA	W09SSD				
OGDEN ID	S17DAE	S28DCI	S29DAE	W09SSA	W09SSD				
Date Sampled	8/12/97	7/28/97	7/31/97	10/29/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21B (UG/L) Continued									
	FLUORANTHENE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	PYRENE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	BENZYL BUTYL PHTHALATE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	3,3'-DICHLOROBENZIDINE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	BENZO(A)ANTHRACENE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	CHRYSENE	5.00 U	U	U	5.00 U	U	5.00 U	U	U
	BIS(2-ETHYLHEXYL) PHTHALAT	5.00 J	U	U	1.00 J	J	4.00 J	J	5.00
	DI-N-OCTYL PHTHALATE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	BENZO(B)FLUORANTHENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	BENZO(K)FLUORANTHENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	BENZO(A)PYRENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	INDENO(1,2,3-C,D)PYRENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	DIBENZ(A,H)ANTHRACENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U
	BENZO(G,H)PERYLENE	5.00 U	U	U	5.00 U	U	5.00 U	U	5.00 U

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GROUP F: Water Data for Method OC21B

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EPA NO	W09SSE	W18DDA	W21SSA	W21SSI	W23DDA									
OGDEN ID	W09SSE	W18DDA	W21SSA	W21SSI	W23DDA									
Date Sampled	10/29/97	10/22/97	10/24/97	10/23/97	10/28/97									
Depth														
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE						
OC21B (UG/L)														
	PHENOL	5.00 U	U			5.00 U	U			5.00 U	U			
	BIS(2-CHLOROETHYL) ETHER (2	5.00 U	U			5.00 U	U			5.00 U	U			
	2-CHLOROPHENOL	5.00 U	U			5.00 U	U			5.00 U	U			
	1,3-DICHLOROBENZENE	5.00 U	R	*10		5.00 U	R	*10		5.00 U	R	*10		
	1,4-DICHLOROBENZENE	5.00 U	R	*10		5.00 U	R	*10		5.00 U	R	*10		
	1,2-DICHLOROBENZENE	5.00 U	R	*10		5.00 U	R	*10		5.00 U	R	*10		
	2-METHYLPHENOL (O-CRESOL)	5.00 U	U			5.00 U	U			5.00 U	U			
	2,2'-OXYBIS(1-CHLORO)PROPAN	5.00 U	U			5.00 U	U			5.00 U	U			
	4-METHYLPHENOL (P-CRESOL)	5.00 U	U			5.00 U	U			5.00 U	U			
	N-NITROSODI-N-PROPYLAMINE	5.00 U	U			5.00 U	U			5.00 U	U			
	HEXACHLOROETHANE	5.00 U	U			5.00 U	U			5.00 U	U			
	NITROBENZENE	5.00 U	U			5.00 U	U			5.00 U	U			
	ISOPHORONE	5.00 U	U			5.00 U	U			5.00 U	U			
	2-NITROPHENOL	5.00 U	U			5.00 U	U			5.00 U	U			
	2,4-DIMETHYLPHENOL	5.00 U	U			5.00 U	U			5.00 U	U			
	BIS(2-CHLOROETHOXY) METHA	5.00 U	U			5.00 U	U			5.00 U	U			
	2,4-DICHLOROPHENOL	5.00 U	U			5.00 U	U			5.00 U	U			
	1,2,4-TRICHLOROBENZENE	5.00 U	U			5.00 U	U			5.00 U	U			
NAPHTHALENE	5.00 U	U			5.00 U	U			5.00 U	U				
4-CHLOROANILINE	5.00 U	U			5.00 U	U			5.00 U	U				
HEXACHLOROBTADIENE	5.00 U	U			5.00 U	U			5.00 U	U				
4-CHLORO-3-METHYLPHENOL	5.00 U	U			5.00 U	U			5.00 U	U				
2-METHYLNAPHTHALENE	5.00 U	U			5.00 U	U			5.00 U	U				
HEXACHLOROCYCLOPENTADIE	5.00 U	U			5.00 U	U			5.00 U	U				
2,4,6-TRICHLOROPHENOL	5.00 U	U			5.00 U	U			5.00 U	U				

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GROUP F: Water Data for Method OC21B

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EPA NO	W09SSE	W18DDA	W21SSA	W21SSSE	W23DDA				
OGDEN ID	W09SSE	W18DDA	W21SSA	W21SSSE	W23DDA				
Date Sampled	10/29/97	10/22/97	10/24/97	10/23/97	10/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21B (UG/L) Continued									
	2,4,5-TRICHLOROPHENOL	20.0 U	U		20.0 U	U		20.0 U	U
	2-CHLORONAPHTHALENE	5.00 U	U		5.00 U	U		5.00 U	U
	2-NITROANILINE	20.0 U	U		20.0 U	U		20.0 U	U
	DIMETHYL PHTHALATE	5.00 U	U		5.00 U	U		5.00 U	U
	ACENAPHTHYLENE	5.00 U	U		5.00 U	U		5.00 U	U
	2,6-DINITROTOLUENE	5.00 U	U		5.00 U	U		5.00 U	U
	3-NITROANILINE	20.0 U	U		20.0 U	U		20.0 U	U
	ACENAPHTHIENE	5.00 U	U		5.00 U	U		5.00 U	U
	2,4-DINITROPHENOL	20.0 U	U		20.0 U	U		20.0 U	U
	4-NITROPHENOL	20.0 U	U		20.0 U	U		20.0 U	U
	DIBENZOFURAN	5.00 U	U		5.00 U	U		5.00 U	U
	2,4-DINITROTOLUENE	5.00 U	U		5.00 U	U		5.00 U	U
	DIETHYL PHTHALATE	5.00 U	U		5.00 U	U		5.00 U	U
	FLUORENE	5.00 U	U		5.00 U	U		5.00 U	U
	4-CHLOROPHENYL PHENYL ETH	5.00 U	U		5.00 U	U		5.00 U	U
	4-NITROANILINE	20.0 U	U		20.0 U	U		20.0 U	U
	4,6-DINITRO-2-METHYLPHENOL	20.0 U	U		20.0 U	U		20.0 U	U
	N-NITROSODIPHENYLAMINE	5.00 U	U		5.00 U	U		5.00 U	U
4-BROMOPHENYL PHENYL ETH	5.00 U	U		5.00 U	U		5.00 U	U	
HEXACHLOROBENZ/ENE	5.00 U	U		5.00 U	U		5.00 U	U	
PENTACHLOROPHENOL	20.0 U	U		20.0 U	U		20.0 U	U	
PHENANTHRENE	5.00 U	U		5.00 U	U		5.00 U	U	
ANTHRACENE	5.00 U	U		5.00 U	U		5.00 U	U	
CARBAZOLE	5.00 U	U		5.00 U	U	C	5.00 U	U	
DI-N-BUTYL PHTHALATE	5.00 U	U		5.00 U	U		5.00 U	U	

GROUP F: Water Data for Method OC21B

EPA NO	W09SSE	W18DDA	W21SSA	W23DDA					
OGDEN ID	W09SSE	W18DDA	W21SSA	W23DDA					
Date Sampled	10/29/97	10/22/97	10/24/97	10/28/97					
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OC21B (UG/L) Continued									
	FLUORANTHENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	PYRENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZYL BUTYL PHTHALATE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	3,3'-DICHLOROBENZIDINE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZO(A)ANTHRACENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	CHRYSENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BIS(2-ETHYLHEXYL) PHTHALAT	5.00 U	U	1.00 J	J	1.00 J	J	5.00 U	UJ
	DI-N-OCTYLPHTHALATE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZO(B)FLUORANTHENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZO(K)FLUORANTHENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZO(A)PYRENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	INDENO(1,2,3-C,D)PYRENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	DIBENZ(A,H)ANTHRACENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U
	BENZO(G,H,I)PERYLENE	5.00 U	U	5.00 U	U	5.00 U	U	5.00 U	U

T:\MMR\VSNA\9\FB\GROUP\F.DB (1728 of 1728 records) 02/09/98 18:44.2 read by cshein

T:\MMR\VSNA\9F3\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP F: Water Data for Method OC21B

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EPA NO	W23DDE	W23SSA	W23SSI	WSCNRA	?
OGDEN ID	W23DDE	W23SSA	W23SSI	WSCNRA	
Date Sampled	10/28/97	10/27/97	10/27/97	10/23/97	
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	QUAL CODE
OC21B (UG/L)					
PHENOL	5.00 U	U		5.00 U	U
BIS(2-CHLOROETHYL) ETHER (2	5.00 U	U		5.00 U	U
2-CHLOROPHENOL	5.00 U	U		5.00 U	U
1,3-DICHLOROBENZENE	5.00 U	R	*10	5.00 U	R
1,4-DICHLOROBENZENE	5.00 U	R	*10	5.00 U	R
1,2-DICHLOROBENZENE	5.00 U	R	*10	5.00 U	R
2-METHYLPHENOL (O-CRESOL)	5.00 U	U		5.00 U	U
2,2'-OXYBIS(1-CHLORO)PROPAN	5.00 U	U		5.00 U	U
4-METHYLPHENOL (P-CRESOL)	5.00 U	U		5.00 U	U
N-NITROSODI-N-PROPYLAMINE	5.00 U	U		5.00 U	U
HEXACHLOROETHANE	5.00 U	U		5.00 U	U
NITROBENZENE	5.00 U	U		5.00 U	U
ISOPHORONE	5.00 U	U		5.00 U	U
2-NITROPHENOL	5.00 U	U		5.00 U	U
2,4-DIMETHYLPHENOL	5.00 U	U		5.00 U	U
BIS(2-CHLOROETHOXY) METHA	5.00 U	U		5.00 U	U
2,4-DICHLOROPHENOL	5.00 U	U		5.00 U	U
1,2,4-TRICHLOROBENZENE	5.00 U	U		5.00 U	U
NAPHTHALENE	5.00 U	U		5.00 U	U
4-CHLOROANILINE	5.00 U	U		5.00 U	U
HEXACHLOROBTADIENE	5.00 U	U		5.00 U	U
4-CHLORO-3-METHYLPHENOL	5.00 U	U		5.00 U	U
2-METHYLNAPHTHALENE	5.00 U	U		5.00 U	U
HEXACHLOROCYCLOPENTADIENE	5.00 U	U		5.00 U	U
2,4,6-TRICHLOROPHENOL	5.00 U	U		5.00 U	U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP F: Water Data for Method OC21B

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EPA NO	W23DDE	W23SSA	W23SSI	W23SSJ	W23SSK
OGDEN ID	W23DDE	W23SSA	W23SSI	W23SSJ	W23SSK
Date Sampled	10/28/97	10/27/97	10/27/97	10/27/97	10/23/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OC21B (UG/L) Continued					
FLUORANTHENE	5.00 U	U	U	5.00 U	U
PYRENE	5.00 U	U	U	5.00 U	U
BENZYL BUTYL PHTHALATE	5.00 U	U	U	5.00 U	U
3,3'-DICHLOROBENZIDINE	5.00 U	U	U	5.00 U	U
BENZO(A)ANTHRACENE	5.00 U	U	U	5.00 U	U
CHRYSENE	5.00 U	U	U	5.00 U	U
BIS(2-ETHYLHEXYL) PHTHALAT	5.00 U	U	U	5.00 U	U
DI-N-OCTYL PHTHALATE	5.00 U	U	U	5.00 U	U
BENZO(B)FLUORANTHENE	5.00 U	U	U	5.00 U	U
BENZO(K)FLUORANTHENE	5.00 U	U	U	5.00 U	U
BENZO(A)PYRENE	5.00 U	U	U	5.00 U	U
INDENO(1,2,3-C,D)PYRENE	5.00 U	U	U	5.00 U	U
DIBENZ(A,H)ANTHRACENE	5.00 U	U	U	5.00 U	U
BENZO(G,H,I)PERYLENE	5.00 U	U	U	5.00 U	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
	RESULT	CODE	CODE	RESULT	CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	120 U	U	120 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	120 U	U	120 U
1,3,5-TRINITROBENZENE	120 U	U	120 U	U	120 U
1,3-DINITROBENZENE	120 U	U	120 U	U	120 U
TETRYL	120 U	U	120 U	U	120 U
NITROBENZENE	120 U	U	120 U	U	120 U
2,4,6-TRINITROTOLUENE	120 U	U	120 U	U	120 U
4-AMINO-2,6-DINITROTOLUENE	120 U	U	120 U	U	120 U
2-AMINO-4,6-DINITROTOLUENE	120 U	U	120 U	U	120 U
2,6-DINITROTOLUENE	120 U	U	120 U	U	120 U
2,4-DINITROTOLUENE	120 U	U	120 U	U	120 U
PICRIC ACID	120 U	U	120 U	U	120 U
2-NITROTOLUENE	120 U	U	120 U	U	120 U
4-NITROTOLUENE	120 U	U	120 U	U	120 U
3-NITROTOLUENE	120 U	U	120 U	U	120 U
2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ	250 U	UJ	250 U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	120 U	U	120 U
PENTAERYTHRITOL, TETRANITR	5,000 U	U	5,000 U	U	5,000 U
8515 (MG/KG)					
HMX/RDX	1.00 U	UJ	1.00 U	UJ	1.00 U
CRRSCT (MG/KG)					
TNT/DNT	1.10	U	1.00 U	1.10	0.9200 J

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B02FAA	B02GAA	B02JAA	B02KAA		
OGDEN ID	B02FAA	B02GAA	B02JAA	B02KAA		
Date Sampled	9/11/97	9/11/97	9/11/97	9/12/97		
Depth	0.00	0.00	0.00	0.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8330 (UG/KG)						
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	120 U	U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	120 U	U	U
	1,3,5-TRINITROBENZENE	120 U	U	120 U	U	U
	1,3-DINITROBENZENE	120 U	U	120 U	U	U
	TETRYL	120 U	U	120 U	U	U
	NITROBENZENE	120 U	U	120 U	U	U
	2,4,6-TRINITROTOLUENE	120 U	U	120 U	U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	120 U	U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	120 U	U	U
	2,6-DINITROTOLUENE	120 U	U	120 U	U	U
	2,4-DINITROTOLUENE	120 U	U	120 U	U	U
	PICRIC ACID	120 U	U	120 U	U	U
	2-NITROTOLUENE	120 U	U	120 U	U	U
	4-NITROTOLUENE	120 U	U	120 U	U	U
8515 (MG/KG)						
	3-NITROTOLUENE	120 U	U	120 U	U	U
	2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ	250 U	UJ	UJ
	2,4-DIAMINO-6-NITROTOLUENE	120 U	U	120 U	U	U
	PENTAERYTHRITOL TETRANITR	5,000 U	U	5,000 U	U	U
	HMX/RDX	1.00 U	UJ	1.00 U	U	U
	CRRSCT (MG/KG)	2.50		2.40		4.20
	TNT/DNT					

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA					
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA					
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97					
Depth	0.00	0.00	0.00	0.00	0.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
8330 (UG/KG)	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U	120 U	U	U	
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U	120 U	U	U	
	1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U	
	1,3-DINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U	
	TETRYL	120 U	U	U	120 U	U	120 U	U	U	
	NITROBENZENE	120 U	U	U	120 U	U	120 U	U	U	
	2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	2,4-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	PICRIC ACID	120 U	U	U	120 U	U	120 U	U	U	
	2-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	4-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
	3-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U	250 U	U	U		
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U		
PENTAERYTHRITOL, TETRANITR	5,000 U	U	U	5,000 U	U	5,000 U	U	U		
8515 (MG/KG)										
	HMX/RDX	1.00 U	UJ	C	1.00 U	UJ	C	1.00 U	UJ	C
	CRRSCT (MG/KG)									
TNT/DNT	0.8900 J	J		0.7000 J	J		1.20		0.8100 J	

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA	
OGDEN ID	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA	
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97	
Depth	0.00	0.00			0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330 (UG/KG)	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U		120 U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U		120 U	UJ C
	1,3,5-TRINITROBENZENE	120 U	U		120 U	U
	1,3-DINITROBENZENE	120 U	U		120 U	U
	TETRYL	120 U	U		120 U	U
	NITROBENZENE	120 U	U		120 U	U
	2,4,6-TRINITROTOLUENE	120 U	U		120 U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U		120 U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U		120 U	U
	2,6-DINITROTOLUENE	120 U	U		120 U	U
	2,4-DINITROTOLUENE	120 U	U		120 U	U
	PICRIC ACID	120 U	UJ Q		120 U	U
	2-NITROTOLUENE	120 U	U		120 U	U
	4-NITROTOLUENE	120 U	U		120 U	U
	3-NITROTOLUENE	120 U	U		120 U	U
8515 (MG/KG)	2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ Q		250 U	UJ C
	2,4-DIAMINO-6-NITROTOLUENE	120 U	UJ Q		120 U	U
	PENTAERYTHRITOL TETRANITR	5,000 U	U		5,000 U	UJ C
	HMX/RDX	1.00 U	UJ C	1.00 U	U	UJ C
	CRRSCT (MG/KG)	1.00		0.9200 J	0.7300 J	U
	TNT/DNT					

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97
Depth	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U		120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	UJ	C	120 U	U
1,3,5-TRINITROBENZENE	120 U	U		120 U	U
1,3-DINITROBENZENE	120 U	U		120 U	U
TETRYL	120 U	U		120 U	U
NITROBENZENE	120 U	U		120 U	U
2,4,6-TRINITROTOLUENE	120 U	U		120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U		120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U		120 U	U
2,6-DINITROTOLUENE	120 U	U		120 U	U
2,4-DINITROTOLUENE	120 U	U		120 U	U
PICRIC ACID	120 U	U		120 U	U
2-NITROTOLUENE	120 U	U		120 U	U
4-NITROTOLUENE	120 U	U		120 U	U
3-NITROTOLUENE	120 U	U		120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ	C	250 U	UJ
2,4-DIAMINO-6-NITROTOLUENE	120 U	U		120 U	U
PENTAERYTHRITOL TETRANITR	5,000 U	UJ	C	5,000 U	U
8515 (MG/KG)					
HMXX/RDX	1.00 U	UJ	C	1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	1.40			0.9300 J	1.00 U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B030AD	B06AAA	B06BAA	B06CAA	B06DAA		
OGDEN ID	B030AD	B06AAA	B06BAA	B06CAA	B06DAA		
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97		
Depth		0.00	0.00	0.00	0.00		
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL CODE	
8330 (UG/KG) OCTAHYDRO-1,3,5,7-TETRANITR HEXAHYDRO-1,3,5-TRINITRO-1,3 1,3,5-TRINITROBENZENE 1,3-DINITROBENZENE TETRYL NITROBENZENE 2,4,6-TRINITROTOLUENE 4-AMINO-2,6-DINITROTOLUENE 2-AMINO-4,6-DINITROTOLUENE 2,6-DINITROTOLUENE 2,4-DINITROTOLUENE PICRIC ACID 2-NITROTOLUENE 4-NITROTOLUENE 3-NITROTOLUENE 2,6-DIAMINO-4-NITROTOLUENE 2,4-DIAMINO-6-NITROTOLUENE PENTAERYTHRITOL TETRANITR	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	120 U	U	120 U	U	120 U	U	
	250 U	UJ Q	250 U	U	250 U	U	
	120 U	UJ Q	120 U	U	120 U	U	
	5,000 U	UJ C	5,000 U	UJ C	7,000 J C	5,000 UJ C	
	8515 (MG/KG) HMX/RDX CRRSCT (MG/KG) TNT/DNT	1.00 U	U	1.00 U	J	1.70	
		0.6200 J	J	2.30	2.80	2.40	

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA				
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA				
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8330 (UG/KG)									
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	120 U	U	120 U	120 U	U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	120 U	U	120 U	120 U	U	U
	1,3,5-TRINITROBENZENE	120 U	U	120 U	U	120 U	120 U	U	U
	1,3-DINITROBENZENE	120 U	U	120 U	U	120 U	120 U	U	U
	TETRYL	120 U	U	120 U	U	120 U	120 U	U	U
	NITROBENZENE	120 U	U	120 U	U	120 U	120 U	U	U
	2,4,6-TRINITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	2,6-DINITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	2,4-DINITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	PICRIC ACID	120 U	U	120 U	U	120 U	120 U	U	U
	2-NITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	4-NITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	3-NITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	2,6-DIAMINO-4-NITROTOLUENE	250 U	U	250 U	U	250 U	250 U	U	U
	2,4-DIAMINO-6-NITROTOLUENE	120 U	U	120 U	U	120 U	120 U	U	U
	PENTAF:RYTHRITOL, TETRANITR	5,000 U	UJ C	5,000 U	U	5,000 U	5,000 U	U	U
	8515 (MG/KG)								
HMX/RDX		1.00 U	U	1.00 U	UJ C	1.00 U	1.00 U	UJ C	UJ C
CRRSCT (MG/KG)		1.80		1.30		1.30	2.00		U
TNT/DNT									

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97	
Depth	0.00	0.00	0.00	20.00	?
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U
1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U
1,3-DINITROBENZENE	120 U	U	U	120 U	U
TETRYL	120 U	U	U	120 U	U
NITROBENZENE	120 U	U	U	120 U	U
2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,4-DINITROTOLUENE	120 U	U	U	120 U	U
PICRIC ACID	120 U	U	U	120 U	U
2-NITROTOLUENE	120 U	U	U	120 U	U
4-NITROTOLUENE	120 U	U	U	120 U	U
3-NITROTOLUENE	120 U	U	U	120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U
PENTAERYTHRITOL TETRANITR	5,000 U	U	U	5,000 U	U
8515 (MG/KG)					
HMX/RDX	1.00 U	UJ C	UJ C	1.00 U	UJ C
CRRSCT (MG/KG)					
TNT/DNT	0.8200 J	J	J	0.9700 J	J

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U
1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U
1,3-DINITROBENZENE	120 U	U	U	120 U	U
TETRYL	120 U	U	U	120 U	U
NITROBENZENE	120 U	U	U	120 U	U
2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,4-DINITROTOLUENE	120 U	U	U	120 U	U
PICRIC ACID	120 U	U	U	120 U	U
2-NITROTOLUENE	120 U	U	U	120 U	U
4-NITROTOLUENE	120 U	U	U	120 U	U
3-NITROTOLUENE	120 U	U	U	120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U
PENTAERYTHRITOL, TETRANITR	5,000 U	U	U	5,000 U	U
8515 (MG/KG)					
HMX/RDX	1.00 U	U	U	1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	0.6100 J	J	J	1.30	U

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Ogden Environmental and Energy Services

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U			
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U			
1,3,5-TRINITROBENZENE	120 U	U			
1,3-DINITROBENZENE	120 U	U			
TETRYL	120 U	U			
NITROBENZENE	120 U	U			
2,4,6-TRINITROTOLUENE	120 U	U			
4-AMINO-2,6-DINITROTOLUENE	120 U	U			
2-AMINO-4,6-DINITROTOLUENE	120 U	U			
2,6-DINITROTOLUENE	120 U	U			
2,4-DINITROTOLUENE	120 U	U			
PICRIC ACID	120 U	U			
2-NITROTOLUENE	120 U	U			
4-NITROTOLUENE	120 U	U			
3-NITROTOLUENE	120 U	U			
2,6-DIAMINO-4-NITROTOLUENE	250 U	U			
2,4-DIAMINO-6-NITROTOLUENE	120 U	U			
PENTAERYTHRITOL TETRANITR	5,000 U	U			
8515 (MG/KG)					
HMX/RDX	1.00 U	U			
CRRSCT (MG/KG)					
TNT/DNT	0.8100				

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD				
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD				
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8330 (UG/KG)									
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U	120 U	U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U	120 U	U	U
	1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	1,3-DINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	TETRYL	120 U	U	U	120 U	U	120 U	U	U
	NITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2,4-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	PICRIC ACID	120 U	UJ	Q	120 U	U	120 U	U	U
	2-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
8515 (MG/KG)	4-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	3-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ	Q	250 U	U	250 U	U	U
	2,4-DIAMINO-6-NITROTOLUENE	120 U	R	Q	120 U	U	120 U	U	U
	PENTAERYTHRITOL, TETRANITR	5,000 U	UJ	C	5,000 U	UJ	5,000 U	U	U
CRRSCT (MG/KG)									
	HMX/RDX	1.00 U	U	U	1.30	U	0.8900	U	2.10
	TNT/DNT	0.6900 J	J	J	1.00 U	U	1.00 U	U	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	BOPAAA	BOPBAA	S001DAAb	S01DAA		
OGDEN ID	BOPAAA	BOPBAA	S001DAA	S01DAA		
Date Sampled	10/29/97	10/29/97	10/24/97	8/20/97		
Depth			1.50	0.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8330 (UG/KG)						
	OCTAHYDRO-1,3,5,7-TETRANITR					
	HEXAHYDRO-1,3,5-TRINITRO-1,3					
	1,3,5-TRINITROBENZENE					
	1,3-DINITROBENZENE					
	TETRYL					
	NITROBENZENE					
	2,4,6-TRINITROTOLUENE					
	4-AMINO-2,6-DINITROTOLUENE					
	2-AMINO-4,6-DINITROTOLUENE					
	2,6-DINITROTOLUENE					
	2,4-DINITROTOLUENE					
	PICRIC ACID					
	2-NITROTOLUENE					
	4-NITROTOLUENE					
	3-NITROTOLUENE					
	2,6-DIAMINO-4-NITROTOLUENE					
	2,4-DIAMINO-6-NITORTOLUENE					
	PENTAERYTHRITOL TETRANITR					
8515 (MG/KG)						
	HMX/RDX	1.00 U	U			
	CRRSCT (MG/KG)					
TNT/DNT	1.10	1.40	6.30	1.50	1.00 U	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S01DAD	S01DCA	S01DDA	S01DEA	S01DFA								
OGDEN ID	S01DAD	S01DCA	S01DDA	S01DEA	S01DFA								
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	8/21/97								
Depth	0.00	10.00	20.00	30.00	40.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	
8330 (UG/KG)	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	1,3,5-TRINITROBENZENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	1,3-DINITROBENZENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	TETRYL	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	NITROBENZENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	2,4,6-TRINITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	4-AMINO-2,6-DINITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	2-AMINO-4,6-DINITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	2,6-DINITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
8515 (MG/KG)	2,4-DINITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	PICRIC ACID	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	2-NITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	4-NITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	3-NITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	2,6-DIAMINO-4-NITROTOLUENE	250 U	U				250 U	UJ	H	250 U	U	UJ	H
	2,4-DIAMINO-6-NITROTOLUENE	120 U	U				120 U	UJ	H	120 U	U	UJ	H
	PENTAERYTHRITOL, TETRANITR	5,000 U	U				5,000 U	UJ	H,C	5,000 U	U	UJ	C,H
	HMX/RDX	1.00 U	U				0.9200 J	J		1.00 U	U		
	CRRSCT (MG/KG)	1.30					1.00 U	U		1.00 U	U		
TNT/DNT													

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S01DHA	S01DIA	S01DJA	S01DKA	S01DLA							
OGDEN ID	S01DHA	S01DIA	S01DJA	S01DKA	S01DLA							
Date Sampled	8/21/97	8/21/97	8/21/97	8/21/97	8/22/97							
Depth	60.00	70.00	80.00	90.00	100.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330 (UG/KG)												
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	1,3,5-TRINITROBENZENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	1,3-DINITROBENZENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	TETRYL	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	NITROBENZENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	2,4,6-TRINITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	4-AMINO-2,6-DINITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	2-AMINO-4,6-DINITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	2,6-DINITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	2,4-DINITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	PICRIC ACID	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	2-NITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
	4-NITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ
3-NITROTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ	
2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ H	UJ	250 U	UJ H	250 U	UJ H	UJ	250 U	UJ H	UJ	
2,4-DIAMINO-6-NITORTOLUENE	120 U	UJ H	UJ	120 U	UJ H	120 U	UJ H	UJ	120 U	UJ H	UJ	
PENTAERYTHRITOL TETRANITR	5,000 U	UJ H,C	UJ	5,000 U	UJ H,C	5,000 U	UJ H,C	UJ	5,000 U	UJ H,C	UJ	
8515 (MG/KG)												
	HMX/RDX											
	CRRSCT (MG/KG)											
	TNT/DNT											

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Ogden Environmental and Energy Services

EPA NO	S01DMA	S01DNA	S02DAA	S03DAA
OGDEN ID	S01DMA	S01DNA	S02DAA	S03DAA
Date Sampled	8/22/97	8/22/97	8/21/97	8/20/97
Depth	110.00	120.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/KG)				
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	UJ H	UJ H	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	UJ H	UJ H	U
1,3,5-TRINITROBENZENE	120 U	UJ H	UJ H	U
1,3-DINITROBENZENE	120 U	UJ H	UJ H	U
TETRYL	120 U	UJ H	UJ H	U
NITROBENZENE	120 U	UJ H	UJ H	U
2,4,6-TRINITROTOLUENE	120 U	UJ H	UJ H	U
4-AMINO-2,6-DINITROTOLUENE	120 U	UJ H	UJ H	U
2-AMINO-4,6-DINITROTOLUENE	120 U	UJ H	UJ H	U
2,6-DINITROTOLUENE	120 U	UJ H	UJ H	U
2,4-DINITROTOLUENE	120 U	UJ H	UJ H	U
PICRIC ACID	120 U	UJ H	UJ H	U
2-NITROTOLUENE	120 U	UJ H	UJ H	U
4-NITROTOLUENE	120 U	UJ H	UJ H	U
3-NITROTOLUENE	120 U	UJ H	UJ H	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	UJ H	UJ H	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	UJ H	UJ H	U
PENTAERYTHRITOL, TETRANITR	5,000 U	UJ H,C	UJ H,C	U
8515 (MG/KG)				
HMX/RDX				
CRRSCT (MG/KG)				
TNT/DNT				

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA				
OGDEN ID	S03DAD	S04DAA	S04DAD	S04DCA	S04DDA				
Date Sampled	8/20/97	8/13/97	8/13/97	8/14/97	8/14/97				
Depth	0.00	0.00	0.00	10.00	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330 (UG/KG)									
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U		120 U	U				
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U		120 U	U				
1,3,5-TRINITROBENZENE	120 U	U		120 U	U				
1,3-DINITROBENZENE	120 U	U		120 U	U				
TETRYL	120 U	U		120 U	U				
NITROBENZENE	120 U	U		120 U	U				
2,4,6-TRINITROTOLUENE	120 U	U		120 U	U				
4-AMINO-2,6-DINITROTOLUENE	120 U	U		120 U	U				
2-AMINO-4,6-DINITROTOLUENE	120 U	U		120 U	U				
2,6-DINITROTOLUENE	120 U	U		120 U	U				
2,4-DINITROTOLUENE	120 U	U		120 U	U				
PICRIC ACID	120 U	U		120 U	U				
2-NITROTOLUENE	120 U	U		120 U	U				
4-NITROTOLUENE	120 U	U		120 U	U				
3-NITROTOLUENE	120 U	U		120 U	U				
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	\$	250 U	U	\$			
2,4-DIAMINO-6-NITROTOLUENE	120 U	U		120 U	U				
PENTAERYTHRITOL TETRANITR	5,000 U	U	\$	5,000 U	U	\$			
8515 (MG/KG)									
HMX/RDX	1.00 U	U		1.00 U	U		1.00 U	U	U
CRRSCT (MG/KG)									
TNT/DNT	2.60			1.30			1.00 U	U	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA
OGDEN ID	S05DAA	S05DAD	S06DAA	S06DAD	S07DAA
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U
1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U
1,3-DINITROBENZENE	120 U	U	U	120 U	U
TETRYL	120 U	U	U	120 U	U
NITROBENZENE	120 U	U	U	120 U	U
2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,4-DINITROTOLUENE	120 U	U	U	120 U	U
PICRIC ACID	120 U	U	U	120 U	U
2-NITROTOLUENE	120 U	U	U	120 U	U
4-NITROTOLUENE	120 U	U	U	120 U	U
3-NITROTOLUENE	120 U	U	U	120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U
PENTAERYTHRITOL TETRANITR	5,000 U	U	U	5,000 U	U
8515 (MG/KG)					
HMX/RDX	0.4200 J	J	J	1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	1.60	2.00	2.30	2.90	2.00

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EPA NO	S07DAD	S07DCA	S07DDA	S08DAA	S08DAD
OGDEN ID	S07DAD	S07DCA	S07DDA	S08DAA	S08DAD
Date Sampled	7/29/97	7/29/97	7/29/97	8/21/97	8/21/97
Depth	0.00	10.00	20.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U		120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U		120 U	U
1,3,5-TRINITROBENZENE	120 U	U		120 U	U
1,3-DINITROBENZENE	120 U	U		120 U	U
TETRYL	120 U	U		120 U	U
NITROBENZENE	120 U	U		120 U	U
2,4,6-TRINITROTOLUENE	120 U	U		120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U		120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U		120 U	U
2,6-DINITROTOLUENE	120 U	U		120 U	U
2,4-DINITROTOLUENE	120 U	U		120 U	U
PICRIC ACID	120 U	U		200	
2-NITROTOLUENE	120 U	U		160	J *9
4-NITROTOLUENE	120 U	U		120 U	U
3-NITROTOLUENE	120 U	U		120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U		250 U	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U		120 U	U
PENTAERYTHRITOL TETRANITR	5,000 U	U		5,000 U	U
8515 (MG/KG)					
HMX/RDX	1.00 U	U		1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	2.50			5.03	3.60

GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA
OGDEN ID	S09DAA	S09DAD	S11DAA	S11DAD	S11DCA
Date Sampled	8/21/97	8/21/97	8/8/97	8/8/97	8/8/97
Depth	0.00	0.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	120 U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	120 U	U	
1,3,5-TRINITROBENZENE	120 U	U	120 U	U	
1,3-DINITROBENZENE	120 U	U	120 U	U	
TETRYL	120 U	U	120 U	U	
NITROBENZENE	120 U	U	120 U	U	
2,4,6-TRINITROTOLUENE	120 U	U	120 U	U	
4-AMINO-2,6-DINITROTOLUENE	120 U	U	120 U	U	
2-AMINO-4,6-DINITROTOLUENE	120 U	U	120 U	U	
2,6-DINITROTOLUENE	120 U	U	120 U	U	
2,4-DINITROTOLUENE	120 U	U	120 U	U	
PICRIC ACID	120 U	U	120 U	U	
2-NITROTOLUENE	120 U	U	120 U	U	
4-NITROTOLUENE	120 U	U	120 U	U	
3-NITROTOLUENE	120 U	U	120 U	U	
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	250 U	U	
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	120 U	U	
PENTAERYTHRITOL TETRANITR	5,000 U	U	5,000 U	U	
8515 (MG/KG)					
HMX/RDX	1.00 U	U	1.00 U	U	1.00 U
CRRSCT (MG/KG)					
TNT/DNT	0.7300 J	J	0.8100 J	J	1.00 U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S11DDA	S12DAA	S12DCA	S12DDA	S13DDA
OGDEN ID	S11DDA	S12DAA	S12DCA	S12DDA	S13DDA
Date Sampled	8/8/97	8/5/97	8/6/97	8/6/97	10/21/97
Depth	20.00	0.00	10.00	20.00	20.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	R	D		120 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	R	D		120 U
1,3,5-TRINITROBENZENE	120 U	R	D		120 U
1,3-DINITROBENZENE	120 U	R	D		120 U
TETRYL	120 U	R	D		120 U
NITROBENZENE	120 U	R	D		120 U
2,4,6-TRINITROTOLUENE	120 U	R	D		120 U
4-AMINO-2,6-DINITROTOLUENE	120 U	R	?S		120 U
2-AMINO-4,6-DINITROTOLUENE	120 U	R	D		120 U
2,6-DINITROTOLUENE	120 U	R	D		120 U
2,4-DINITROTOLUENE	120 U	R	D		120 U
PICRIC ACID	120 U	R	D		120 U
2-NITROTOLUENE	120 U	R	D		120 U
4-NITROTOLUENE	120 U	R	D		120 U
3-NITROTOLUENE	120 U	R	D		120 U
2,6-DIAMINO-4-NITROTOLUENE	120 U	R	D		250 U
2,4-DIAMINO-6-NITROTOLUENE	120 U	R	D		120 U
PENTAERYTHRITOL, TETRANITR	2,500 U	R	D		5,000 U
8515 (MG/KG)					
HMX/RDX	1.00 U	U		1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	1.00 U	U	J	1.00 U	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S14DAA	S14DAD	S14DCA	S14DDA	S15DAA
OGDEN ID	S14DAA	S14DAD	S14DCA	S14DDA	S15DAA
Date Sampled	7/29/97	7/29/97	7/21/97	7/22/97	8/21/97
Depth	0.00	0.00	10.00	20.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR					
HEXAHYDRO-1,3,5-TRINITRO-1,3					
1,3,5-TRINITROBENZENE					
1,3-DINITROBENZENE					
TETRYL					
NITROBENZENE					
2,4,6-TRINITROTOLUENE					
4-AMINO-2,6-DINITROTOLUENE					
2-AMINO-4,6-DINITROTOLUENE					
2,6-DINITROTOLUENE					
2,4-DINITROTOLUENE					
PICRIC ACID					
2-NITROTOLUENE					
4-NITROTOLUENE					
3-NITROTOLUENE					
2,6-DIAMINO-4-NITROTOLUENE					
2,4-DIAMINO-6-NITROTOLUENE					
PENTAERYTHRITOL, TETRANITR					
8515 (MG/KG)					
HMX/RDX	1.00 U	U	1.00 U	U	U
CRRSCT (MG/KG)					
TNT/DNT	1.00 U	U	1.00 U	U	J

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S15DAD	S15DCA	S15DDA	S15DFA	S15DGA
OGDEN ID	S15DAD	S15DCA	S15DDA	S15DFA	S15DGA
Date Sampled	8/21/97	8/28/97	8/28/97	8/29/97	8/29/97
Depth	0.00	10.00	20.00	40.00	50.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U			
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U			
1,3,5-TRINITROBENZENE	120 U	U			
1,3-DINITROBENZENE	120 U	U			
TETRYL	120 U	U			
NITROBENZENE	120 U	U			
2,4,6-TRINITROTOLUENE	120 U	U			
4-AMINO-2,6-DINITROTOLUENE	120 U	U			
2-AMINO-4,6-DINITROTOLUENE	120 U	U			
2,6-DINITROTOLUENE	120 U	U			
2,4-DINITROTOLUENE	120 U	U			
PICRIC ACID	120 U	U			
2-NITROTOLUENE	120 U	U			
4-NITROTOLUENE	120 U	U			
3-NITROTOLUENE	120 U	U			
2,6-DIAMINO-4-NITROTOLUENE	250 U	U			
2,4-DIAMINO-6-NITROTOLUENE	120 U	U			
PENTAERYTHRITOL, TETRANITR	5,000 U	U			
8515 (MG/KG)					
HMX/RDX	1.00 U	U	1.00 U	U	1.00 U
CRRSCT (MG/KG)					
TNT/DNT	0.7300 J	J	1.00 U	U	1.00 U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPa NO	S15DHA	S16DAA	S16DAD	S19DAA	S19DAD							
OGDEN ID	S15DHA	S16DAA	S16DAD	S19DAA	S19DAD							
Date Sampled	8/29/97	8/20/97	8/20/97	8/21/97	8/21/97							
Depth	60.00	0.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
8330 (UG/KG)	OCTAHYDRO-1,3,5,7-TETRANITR						600	NJ	*8,*9	NJ	*8,*9	
	HEXAHYDRO-1,3,5-TRINITRO-1,3						610					
	1,3,5-TRINITROBENZENE						120 U	U			U	
	1,3-DINITROBENZENE						120 U	U			U	
	TETRYL						120 U	U			U	
	NITROBENZENE						120 U	U			U	
	2,4,6-TRINITROTOLUENE						120 U	U			U	
	4-AMINO-2,6-DINITROTOLUENE						120 U	U			U	
	2-AMINO-4,6-DINITROTOLUENE						280	J	*9	200	J	*9
	2,6-DINITROTOLUENE						350			220		
	2,4-DINITROTOLUENE						120 U	U			U	
	PICRIC ACID						120 U	U			U	
	2-NITROTOLUENE						120 U	U			U	
	4-NITROTOLUENE						120 U	U			U	
3-NITROTOLUENE						120 U	U			U		
2,6-DIAMINO-4-NITROTOLUENE						120 U	U			U		
2,4-DIAMINO-6-NITROTOLUENE						250 U	U			U		
PENTAERYTHRITOL TETRANITR						120 U	U			U		
8515 (MG/KG)						5,000 U	U			5,000 U	U	
HMX/RDX	1.00 U	U		1.00 U	U		0.4800 J	J		0.6900 J	J	
CRRSCT (MG/KG)												
TNT/DNT	1.00 U	U		1.00 U	U		1.00 U	U		1.00 U	U	

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S19DCA	S19DDA	S25DAA	S25DAD	S26DAA				
OGDEN ID	S19DCA	S19DDA	S25DAA	S25DAD	S26DAA				
Date Sampled	10/23/97	10/23/97	8/21/97	8/21/97	8/20/97				
Depth	10.00	20.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8330 (UG/KG)									
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U	120 U	U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120	J	*9	120 U	U	120 U	U	U
	1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	1,3-DINITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	TETRYL	120 U	U	U	120 U	U	120 U	U	U
	NITROBENZENE	120 U	U	U	120 U	U	120 U	U	U
	2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2,6-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	2,4-DINITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	PICRIC ACID	120 U	U	U	120 U	U	120 U	U	U
	2-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	4-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
	3-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U	250 U	U	U	
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U	120 U	U	U	
PENTAERYTHRITOL TETRANITR	5,000 U	U	U	110,000	NJ	*8,*9	58,000	NJ	*8,*9
8515 (MG/KG)									
	HMX/RDX	1.00 U	UJ	C	1.00 U	U	0.0500 J	J	0.7500 J
	CRRSCT (MG/KG)								
TNT/DNT	1.00 U	U	U	1.00 U	U	2.64	4.40		2.30

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S26DAD	S27DAA	S27DAD	S28DAA	S28DBA
OGDEN ID	S26DAD	S27DAA	S27DAD	S28DAA	S28DBA
Date Sampled	8/20/97	8/20/97	8/20/97	7/29/97	7/29/97
Depth	0.00	0.00	0.00	0.00	1.50
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	U	120 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	U	120 U	U
1,3,5-TRINITROBENZENE	120 U	U	U	120 U	U
1,3-DINITROBENZENE	120 U	U	U	120 U	U
TETRYL	120 U	U	U	120 U	U
NITROBENZENE	120 U	U	U	120 U	U
2,4,6-TRINITROTOLUENE	120 U	U	U	120 U	U
4-AMINO-2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2-AMINO-4,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,6-DINITROTOLUENE	120 U	U	U	120 U	U
2,4-DINITROTOLUENE	120 U	U	U	120 U	U
PICRIC ACID	120 U	U	U	120 U	U
2-NITROTOLUENE	120 U	U	U	120 U	U
4-NITROTOLUENE	120 U	U	U	120 U	U
3-NITROTOLUENE	120 U	U	U	120 U	U
2,6-DIAMINO-4-NITROTOLUENE	250 U	U	U	250 U	U
2,4-DIAMINO-6-NITROTOLUENE	120 U	U	U	120 U	U
PENTAERYTHRITOL TETRANITR	5,000 U	U	U	5,000 U	U
8515 (MG/KG)					
HMX/RDX	0.4200 J	J	U	1.00 U	U
CRRSCT (MG/KG)					
TNT/DNT	2.60	2.00	U	2.50	U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S28DCA	S28DDA	S29DAA	S29DCA	S29DDA
OGDEN ID	S28DCA	S28DDA	S29DAA	S29DCA	S29DDA
Date Sampled	7/28/97	7/28/97	7/31/97	7/31/97	7/31/97
Depth	10.00	20.00	0.00	10.00	20.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/KG)					
OCTAHYDRO-1,3,5,7-TETRANITR					
HEXAHYDRO-1,3,5-TRINITRO-1,3					
1,3,5-TRINITROBENZENE					
1,3-DINITROBENZENE					
TETRYL					
NITROBENZENE					
2,4,6-TRINITROTOLUENE					
4-AMINO-2,6-DINITROTOLUENE					
2-AMINO-4,6-DINITROTOLUENE					
2,6-DINITROTOLUENE					
2,4-DINITROTOLUENE					
PICRIC ACID					
2-NITROTOLUENE					
4-NITROTOLUENE					
3-NITROTOLUENE					
2,6-DIAMINO-4-NITROTOLUENE					
2,4-DIAMINO-6-NITROTOLUENE					
PENTAERYTHRITOL, TETRANITR					
8515 (MG/KG)					
HMX/RDX	1.00 U	U			1.00 U
CRRSCT (MG/KG)					
TNT/DNT	1.00 U	U			1.00 U

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GROUP G: Soil Data for Methods 8330, 8515 and CRRSCT

EPA NO	S30DCA	S30DDA	S30DEA	?	?
OGDEN ID	S30DCA	S30DDA	S30DEA		
Date Sampled	10/27/97	10/27/97	10/27/97		
Depth	10.00	20.00	30.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL ANALYTICAL RESULT	REV QUAL ANALYTICAL RESULT	LAB QUAL ANALYTICAL RESULT	REV QUAL ANALYTICAL RESULT
8330 (UG/KG)					
	OCTAHYDRO-1,3,5,7-TETRANITR	120 U	U	120 U	U
	HEXAHYDRO-1,3,5-TRINITRO-1,3	120 U	U	120 U	U
	1,3,5-TRINITROBENZENE	120 U	U	120 U	U
	1,3-DINITROBENZENE	120 U	U	120 U	U
	TETRYL	120 U	U	120 U	U
	NITROBENZENE	120 U	U	120 U	U
	2,4,6-TRINITROTOLUENE	120 U	U	120 U	U
	4-AMINO-2,6-DINITROTOLUENE	120 U	U	120 U	U
	2-AMINO-4,6-DINITROTOLUENE	120 U	U	120 U	U
	2,6-DINITROTOLUENE	120 U	U	120 U	U
	2,4-DINITROTOLUENE	120 U	U	120 U	U
	PICRIC ACID	120 U	UJ	120 U	U
	2-NITROTOLUENE	120 U	U	120 U	U
	4-NITROTOLUENE	120 U	U	120 U	U
	3-NITROTOLUENE	120 U	U	120 U	U
	2,6-DIAMINO-4-NITROTOLUENE	250 U	U	250 U	U
	2,4-DIAMINO-6-NITROTOLUENE	120 U	U	120 U	U
	PENTAERYTHRITOL TETRANITR	5,000 U	U	5,000 U	UJ C
	8515 (MG/KG)				
HMX/RDX		0.5700 J	J	1.00 U	UJ *2
CRRSCT (MG/KG)					
TNT/DNT	1.00 U	U	1.00 U	U	

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Validated MMR Data for SDGs 1-17, 28-30

Group H: Water Data for Methods 130.2, 300.0, 310.1, IM40HD and TOC

EPA NO	W09SDL	W09SSA	W09SSD	W09SSE	W09SSL
OGDEN ID	W09SDL	W09SSA	W09SSD	W09SSE	W09SSL
Date Sampled	10/29/97	10/29/97	10/29/97	10/29/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
130.2 (MG/L)					
HARDNESS (AS CaCO3)	7.00				
IM40HD (MG/L)					
HARDNESS (AS CaCO3)	40.00 U	U			
300.0 (MG/L)					
CHLORIDE (AS CL)					
SULFATE (AS SO4)					
310.1 (MG/L)					
ALKALINITY, BICARBONATE (
ALKALINITY, CARBONATE (AS					
ALKALINITY, HYDROXIDE (AS					
ALKALINITY, TOTAL (AS CaCO					
TOC (MG/L)					
TOTAL ORGANIC CARBON					

T:\MMR\VS\NAP9\FB\GROUP\H1.DB (02/09/98 17:45:1) 104 records. RGSC10TILE

T:\MMR\VS\NAP9\FB\VS\COC.DB (1434 records) 02/08/98 13:04:3

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Group H: Water Data for Methods 130.2, 300.0, 310.1, IM40HD and TOC

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T:\MMR\VSNA\9FB\GROUPH.DB (02/09/98 17:45.1) 104 records. RGSCIOTTLE

T:\MMR\VSNA\9FB\VCOC.DIB (1434 records) 02/08/98 13:04.3

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Validated MMR Data for SDGs 1-17, 28-30

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA			
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA			
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)	DALAPON	300.00 U	U	U	300.00 U	U	U	U
	DICAMBA	5.50 U	U	U	5.50 U	U	U	U
	MCPP	5500.00 U	UJ	UJ	5500.00 U	UJ	UJ	UJ
	MCPA	5500.00 U	UJ	UJ	5600.00 P	UJ	UJ	UJ
	DICHLOROPROP	55.00 U	UJ	UJ	55.00 U	UJ	UJ	UJ
	2,4-D (DICHLOROPHENOXYAC	55.00 U	UJ	UJ	55.00 U	UJ	UJ	UJ
	SILVEX (2,4,5-TP)	5.60 U	UJ	UJ	5.60 U	UJ	UJ	UJ
	2,4,5-T (TRICHLOROPHENOXYA	5.60 U	UJ	UJ	5.60 U	UJ	UJ	UJ
	DINOSEB	28.00 U	R	*4	28.00 U	R	*4	*4
	2,4 DB	56.00 U	UJ	UJ	56.00 U	UJ	UJ	UJ
	PENTACHLOROPHENOL	20.00 U	U	U	20.00 U	U	U	U
	PICLORAM	5.60 U	UJ	UJ	5.60 U	UJ	UJ	UJ
	3,5-DICHLOROBENZOIC ACID	55.00 U	UJ	UJ	55.00 U	UJ	UJ	UJ
	CHLORAMBN	59.00 U	U	U	59.00 U	U	U	U
BENTAZON	120.00 U	U	U	120.00 U	U	U	U	
ACIFLUORFEN	59.00 U	R	*4	59.00 U	R	*4	*4	
OM31P (UG/KG)								
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U	2.00 U	U	U	U	U
BETA BHC (BETA HEXACHLOR	2.00 U	U	U	2.00 U	U	U	U	U
DELTA BHC (DELTA HEXACHL	2.00 U	U	U	2.00 U	U	U	U	U
GAMMA BHC (LINDANE)	2.00 U	U	U	2.00 U	U	U	U	U
HEPTACHLOR	2.00 U	U	U	2.00 U	U	U	U	U
ALDRIN	2.00 U	U	U	2.00 U	U	U	U	U
HEPTACHLOR EPOXIDE	2.00 U	U	U	2.00 U	U	U	U	U
ALPHA ENDOSULFAN	2.00 U	U	U	2.00 U	U	U	U	U

T:\MMR\VSNA9\FB\GROUP1.DB (6308 of 6308 records) 02/09/98 18:46.3 read by RGSCJOTTLJE

T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
OGDEN ID	B02AAA	B02BAA	B02CAA	B02DAA	B02EAA
Date Sampled	9/11/97	9/10/97	9/10/97	9/11/97	9/11/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31P (UG/KG) Continued					
DIELDRIN	3.90 U	U	3.90 U	U	3.80 U
DDE (1,1-BIS(CHLOROPHENYL))	14.00	U	12.00	U	5.90
ENDRIN	3.90 U	U	3.90 U	U	3.80 U
BETA ENDOSULFAN	3.90 U	U	3.90 U	U	3.80 U
DDD (1,1-BIS(CHLOROPHENYL))	3.90 U	U	3.90 U	U	3.80 U
ENDOSULFAN SULFATE	3.90 U	U	3.90 U	U	3.80 U
DDT (1,1-BIS(CHLOROPHENYL))	19.00	U	16.00	U	12.00
METHOXYCHLOR	20.00 U	UJ	20.00 U	UJ	20.00 U
ENDRIN KETONE	3.90 U	U	3.90 U	U	3.80 U
ENDRIN ALDEHYDE	3.90 U	U	3.90 U	U	3.80 U
ALPHA-CHLORDANE	2.00 U	U	2.00 U	U	2.00 U
GAMMA-CHLORDANE	2.00 U	U	2.00 U	U	2.00 U
TOXAPHENE	200.00 U	U	200.00 U	U	200.00 U
PCB-1016 (AROCHLOR 1016)	39.00 U	U	39.00 U	U	38.00 U
PCB-1221 (AROCHLOR 1221)	79.00 U	U	79.00 U	U	77.00 U
PCB-1232 (AROCHLOR 1232)	39.00 U	U	39.00 U	U	38.00 U
PCB-1242 (AROCHLOR 1242)	39.00 U	U	39.00 U	U	38.00 U
PCB-1248 (AROCHLOR 1248)	39.00 U	U	39.00 U	U	38.00 U
PCB-1254 (AROCHLOR 1254)	39.00 U	U	39.00 U	U	38.00 U
PCB-1260 (AROCHLOR 1260)	39.00 U	U	39.00 U	U	38.00 U

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T:\MMR\VS\SNAP\FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8151 (UG/KG)					
DALAPON	350.00 U	U	U	330.00 U	UJ C
DICAMBA	6.30 U	U	U	5.90 U	UJ C
MCPP	6300.00 U	UJ C	UJ C	5900.00 U	UJ C
MCPA	6300.00 U	UJ C	UJ C	5900.00 U	UJ C
DICHLOROPROP	63.00 U	UJ C	UJ C	59.00 U	UJ C
2,4-D (DICHLOROPHENOXYAC	63.00 U	UJ C	UJ C	59.00 U	UJ C
SILVEX (2,4,5-TP)	6.40 U	UJ C	UJ C	6.10 U	UJ C
2,4,5-T (TRICHLOROPHENOXYA	6.40 U	UJ C	UJ C	6.10 U	UJ C
DINoseb	32.00 U	R *4	R *4	30.00 U	R *4
2,4 DB	64.00 U	UJ C	UJ C	61.00 U	UJ C
PENTACHLOROPHENOL	23.00 U	U	U	22.00 U	U
PICLORAM	6.40 U	UJ C	NJ C,*8,*9	6.10 U	UJ C
3,5-DICHLOROBENZOIC ACID	63.00 U	UJ C	UJ C	59.00 U	UJ C
CHLORAMBN	67.00 U	U	U	63.00 U	U
BENTAZON	130.00 U	U	U	130.00 U	U
ACIFLUORFEN	67.00 U	R *4	R *4	63.00 U	R *4
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	2.30 U	U	U	2.20 U	U
BETA BHC (BETA HEXACHLOR	2.30 U	U	U	2.20 U	U
DELTA BHC (DELTA HEXACHL	2.30 U	U	U	2.20 U	U
GAMMA BHC (LINDANE)	2.30 U	U	U	2.20 U	U
HEPTACHLOR	2.30 U	U	U	2.20 U	U
ALDRIN	2.30 U	U	U	2.20 U	U
HEPTACHLOR EPOXIDE	2.30 U	U	U	2.20 U	U
ALPHA ENDOSULFAN	2.30 U	U	U	2.20 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA						
OGDEN ID	B02FAA	B02GAA	B02IAA	B02JAA	B02KAA						
Date Sampled	9/11/97	9/11/97	9/11/97	9/11/97	9/12/97						
Depth	0.00	0.00	0.00	0.00	0.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL		
OM31P (UG/KG) Continued	DIELDRIN	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	DDE (1,1-BIS(CHLOROPHENYL))	7.40	J	J	3.90 U	U	4.20 U	U	2.60 JP	J	*11
	ENDRIN	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	BETA ENDOSULFAN	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	DDD (1,1-BIS(CHLOROPHENYL))	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	ENDOSULFAN SULFATE	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	DDT (1,1-BIS(CHLOROPHENYL))	7.70	P	J	4.30 P	J	4.20 U	U	3.00 JP	J	*11
	METHOXYCHLOR	23.00 U	UJ	C	20.00 U	UJ	22.00 U	UJ	22.00 U	UJ	C
	ENDRIN KETONE	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	ENDRIN ALDEHYDE	4.40 U	U		3.90 U	U	4.20 U	U	4.30 U	U	
	ALPHA-CHLORDANE	2.30 U	U		2.00 U	U	2.20 U	U	2.20 U	U	
	GAMMA-CHLORDANE	2.30 U	U		2.00 U	U	2.20 U	U	2.20 U	U	
	TOXAPHENE	230.00 U	U		200.00 U	U	220.00 U	U	220.00 U	U	
	PCB-1016 (AROCHLOR 1016)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U	
	PCB-1221 (AROCHLOR 1221)	89.00 U	U		80.00 U	U	85.00 U	U	87.00 U	U	
	PCB-1232 (AROCHLOR 1232)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U	
	PCB-1242 (AROCHLOR 1242)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U	
PCB-1248 (AROCHLOR 1248)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U		
PCB-1254 (AROCHLOR 1254)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U		
PCB-1260 (AROCHLOR 1260)	44.00 U	U		39.00 U	U	42.00 U	U	43.00 U	U		

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)								
	DALAPON	310.00 U	U		300.00 U	U		
	DICAMBA	5.60 U	U		5.50 U	U		
	MCPP	5600.00 U	UJ C	C	5500.00 U	UJ C	C	C
	MCPA	7000.00 P	NJ C,*8,*9	C	5500.00 U	UJ C	C	C,*8,*9
	DICHLOROPROP	56.00 U	U		55.00 U	U		
	2,4-D (DICHLOROPHENOXYAC	56.00 U	U		55.00 U	U		
	SIL VEX (2,4,5-TP)	5.70 U	U		5.60 U	U		
	2,4,5-T (TRICHLOROPHENOXYA	5.70 U	U		5.60 U	U		
	DINOSEB	28.00 U	R *4	*4	28.00 U	R	*4	*4
2,4 DB	57.00 U	U		56.00 U	U			
PENTACHLOROPHENOL	20.00 U	U		20.00 U	U			
PICLORAM	5.70 U	U		5.60 U	U			
3,5-DICHLOROBENZOIC ACID	56.00 U	U		55.00 U	U			
CHLORAMBN	60.00 U	U		58.00 U	U			
BENTAZON	360.00 P	NJ *8,*9		120.00 U	U			
ACIFLUORFEN	60.00 U	R *4	*4	59.00 U	R	*4	*4	
OM31P (UG/KG)								
ALPHA BHC (ALPHA HEXACHL	2.00 U	U		2.00 U	U			
BETA BHC (BETA HEXACHLOR	2.00 U	U		2.00 U	U			
DELTA BHC (DELTA HEXACHL	2.00 U	U		2.00 U	U			
GAMMA BHC (LINDANE)	2.00 U	U		2.00 U	U			
HEPTACHLOR	2.00 U	U		2.00 U	U			
ALDRIN	2.00 U	U		2.00 U	U			
HEPTACHLOR EPOXIDE	2.00 U	U		2.00 U	U			
ALPHA ENDOSULFAN	2.00 U	U		2.00 U	U			

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T:\MMR\VSNAPO9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
OGDEN ID	B03AAA	B03BAA	B03CAA	B03EAA	B03FAA			
Date Sampled	9/9/97	9/9/97	9/9/97	9/9/97	9/9/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31P (UG/KG) Continued								
DIELDRIN	3.90 U	U	U	3.80 U	U	U	3.90 U	U
DDE (1,1-BIS(CHLOROPHENYL)	3.90 U	U	U	3.80 U	U	U	3.90 U	U
ENDRIN	3.90 U	U	U	3.80 U	U	U	3.90 U	U
BETA ENDOSULFAN	3.90 U	U	U	3.80 U	U	U	3.90 U	U
DDD (1,1-BIS(CHLOROPHENYL)	3.90 U	U	U	3.80 U	U	U	3.90 U	U
ENDOSULFAN SULFATE	3.90 U	U	U	3.80 U	U	U	3.90 U	U
DDT (1,1-BIS(CHLOROPHENYL)	2.50 J	J	J	3.80 U	U	U	3.90 U	U
METHOXYCHLOR	20.00 U	U	U	20.00 U	U	U	20.00 U	U
ENDRIN KETONE	3.90 U	U	U	3.80 U	U	U	3.90 U	U
ENDRIN ALDEHYDE	3.90 U	U	U	3.80 U	U	U	3.90 U	U
ALPHA-CHLORDANE	2.00 U	U	U	2.00 U	U	U	2.00 U	U
GAMMA-CHLORDANE	2.00 U	U	U	2.00 U	U	U	2.00 U	U
TOXAPHENE	200.00 U	U	U	200.00 U	U	U	200.00 U	U
PCB-1016 (AROCHLOR 1016)	39.00 U	U	U	39.00 U	U	U	39.00 U	U
PCB-1221 (AROCHLOR 1221)	80.00 U	U	U	79.00 U	U	U	81.00 U	U
PCB-1232 (AROCHLOR 1232)	39.00 U	U	U	39.00 U	U	U	40.00 U	U
PCB-1242 (AROCHLOR 1242)	39.00 U	U	U	39.00 U	U	U	40.00 U	U
PCB-1248 (AROCHLOR 1248)	39.00 U	U	U	39.00 U	U	U	40.00 U	U
PCB-1254 (AROCHLOR 1254)	39.00 U	U	U	39.00 U	U	U	40.00 U	U
PCB-1260 (AROCHLOR 1260)	39.00 U	U	U	39.00 U	U	U	40.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA
OGDEN ID	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97
Depth	0.00	0.00			0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8151 (UG/KG)					
DALAPON	300.00 U	U	U	320.00 U	U
DICAMBA	5.50 U	U	NJ *8,*9	5.90 U	U
MCPP	5500.00 U	UJ C	UJ C	5900.00 U	UJ C
MCPA	13000.00 P	NJ C,*8,*9	NJ C,*8,*9	5900.00 U	UJ C
DICHLOROPROP	55.00 U	U	U	59.00 U	U
2,4-D (DICHLOROPHENOXYAC	55.00 U	U	U	59.00 U	U
SILVEX (2,4,5-TP)	5.60 U	U	U	6.00 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.60 U	U	U	6.00 U	U
DINoseb	28.00 U	R	*4	30.00 U	R
2,4 DB	56.00 U	U	U	60.00 U	U
PENTACHLOROPHENOL	20.00 U	U	U	21.00 U	U
PICLORAM	5.60 U	U	U	6.00 U	U
3,5-DICHLOROBENZONIC ACID	55.00 U	U	U	59.00 U	U
CHLORAMBN	58.00 U	U	U	47.00 U	U
BENTAZON	120.00 U	U	U	120.00 U	U
ACIFLUORFEN	58.00 U	R	*4	47.00 U	R
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U	3.10 BP	U
BETA BHC (BETA HEXACHLOR	2.00 U	U	U	2.10 BJ	U
DELTA BHC (DELTA HEXACHL	2.00 U	U	U	2.10 U	U
GAMMA BHC (LINDANE)	2.00 U	U	U	2.10 U	U
HEPTACHLOR	2.00 U	U	U	2.10 U	U
ALDRIN	2.00 U	U	U	2.10 U	U
HEPTACHLOR EPOXIDE	2.00 U	U	U	2.10 U	U
ALPHA ENDOSULFAN	3.10 P	J	*11	2.10 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA	
OGDEN ID	B03FAD	B03GAA	B03HAA	B03IAA	B03JAA	
Date Sampled	9/9/97	9/9/97	10/28/97	10/28/97	9/10/97	
Depth	0.00	0.00			0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued						
DIELDRIN	3.80 U	U		3.90 U	U	
DDE (1,1-BIS(CHLOROPHENYL))	3.80 U	U		3.90 U	U	
ENDRIN	3.80 U	U		3.90 U	U	
BETA ENDOSULFAN	3.80 U	U		3.90 U	U	
DDD (1,1-BIS(CHLOROPHENYL))	3.80 U	U		3.90 U	U	
ENDOSULFAN SULFATE	3.80 U	U		3.90 U	U	
DDT (1,1-BIS(CHLOROPHENYL))	3.80 U	U		3.90 U	U	
METHOXYCHLOR	20.00 U	UJ C		20.00 U	U	C
ENDRIN KETONE	3.80 U	U		3.90 U	U	
ENDRIN ALDEHYDE	3.80 U	U		3.90 U	U	
ALPHA-CHLORDANE	2.00 U	U		2.00 U	U	
GAMMA-CHLORDANE	2.00 U	U		2.00 U	U	
TOXAPHENE	200.00 U	U		200.00 U	U	
PCB-1016 (AROCHELOR 1016)	38.00 U	U		39.00 U	U	
PCB-1221 (AROCHELOR 1221)	78.00 U	U		80.00 U	U	
PCB-1232 (AROCHELOR 1232)	38.00 U	U		39.00 U	U	
PCB-1242 (AROCHELOR 1242)	38.00 U	U		39.00 U	U	
PCB-1248 (AROCHELOR 1248)	38.00 U	U		39.00 U	U	
PCB-1254 (AROCHELOR 1254)	38.00 U	U		39.00 U	U	
PCB-1260 (AROCHELOR 1260)	38.00 U	U		39.00 U	U	

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA							
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA							
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97							
Depth	0.00	0.00	0.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)												
DALAPON	310.00 U											
DICAMBA	5.60 U											
MCP	5600.00 U											
MCPA	8900.00 P											
DICHLOROPROP	56.00 U											
2,4-D (DICHLOROPHENOXYAC	56.00 U											
SIL VEX (2,4,5-TP)	5.70 U											
2,4,5-T (TRICHLOROPHENOXYA	5.70 U											
DINOSEB	28.00 U											
2,4 DB	57.00 U											
PENTACHLOROPHENOL	20.00 U											
PICLORAM	5.70 U											
3,5-DICHLOROBENZOIC ACID	56.00 U											
CHLORAMBN	60.00 U											
BENTAZON	120.00 U											
ACIFLUORFEN	60.00 U											
OM31P (UG/KG)												
ALPHA BHC (ALPHA HEXACHL	1.70 J											
BETA BHC (BETA HEXACHLOR	2.00 U											
DELTA BHC (DELTA HEXACHL	2.00 U											
GAMMA BHC (LINDANE)	2.00 U											
HEPTACHLOR	2.00 U											
ALDRIN	2.00 U											
HEPTACHLOR EPOXIDE	2.00 U											
ALPHA ENDOSULFAN	2.00 U											

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
OGDEN ID	B03KAA	B03LAA	B03MAA	B03NAA	B03OAA
Date Sampled	9/10/97	9/10/97	9/10/97	9/10/97	10/28/97
Depth	0.00	0.00	0.00	0.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31P (UG/KG) Continued					
DIELDRIN	3.90 U	U	U	4.10 U	U
DDE (1,1-BIS(CHLOROPHENYL)	3.90 U	U	J	2.80 J	U
ENDRIN	3.90 U	U	U	4.10 U	U
BETA ENDOSULFAN	3.90 U	U	U	4.10 U	U
DDD (1,1-BIS(CHLOROPHENYL)	3.90 U	U	U	4.10 U	U
ENDOSULFAN SULFATE	3.90 U	U	U	4.10 U	U
DDT (1,1-BIS(CHLOROPHENYL)	5.30	U	U	6.90	U
METHOXYCHLOR	20.00 U	U	U	21.00 U	U
ENDRIN KETONE	3.90 U	U	U	4.10 U	U
ENDRIN ALDEHYDE	3.90 U	U	U	4.10 U	U
ALPHA-CHLORDANE	2.00 U	U	U	2.10 U	U
GAMMA-CHLORDANE	2.00 U	U	U	2.10 U	U
TOXAPHENE	200.00 U	U	U	210.00 U	U
PCB-1016 (AROCHLOR 1016)	39.00 U	U	U	41.00 U	U
PCB-1221 (AROCHLOR 1221)	80.00 U	U	U	84.00 U	U
PCB-1232 (AROCHLOR 1232)	39.00 U	U	U	41.00 U	U
PCB-1242 (AROCHLOR 1242)	39.00 U	U	U	41.00 U	U
PCB-1248 (AROCHLOR 1248)	39.00 U	U	U	41.00 U	U
PCB-1254 (AROCHLOR 1254)	39.00 U	U	U	41.00 U	U
PCB-1260 (AROCHLOR 1260)	39.00 U	U	U	41.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8151 (UG/KG)					
DALAPON	320.00 U	U	U	330.00 U	U
DICAMBA	5.80 U	U	U	6.00 U	U
MCP	5800.00 U	UJ	UJ	6000.00 U	UJ
MCPA	11000.00 P	J	NJ	6000.00 U	NJ
DICHLOROPROP	58.00 U	U	U	60.00 U	U
2,4-D (DICHLOROPHENOXYAC	58.00 U	U	U	60.00 U	U
SILVEX (2,4,5-TP)	5.90 U	U	U	6.20 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.90 U	U	U	16.00 P	J
DINOSEB	30.00 U	R	*4	31.00 U	R
2,4 DB	59.00 U	U	U	58.00 U	U
PENTACHLOROPHENOL	21.00 U	UJ	*4	22.00 U	U
PICLORAM	5.90 U	UJ	C	6.20 U	UJ
3,5-DICHLOROBENZOIC ACID	58.00 U	U	U	60.00 U	U
CHLORAMBN	46.00 U	UJ	*4	48.00 U	U
BENTAZON	120.00 U	U	U	190.00 P	NJ
ACIFLUORFEN	46.00 U	R	*4	48.00 U	R
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	3.20 BP	UJ	B	2.20 U	U
BETA BHC (BETA HEXACHLOR	2.10 BJ	U	B	2.20 U	U
DELTA BHC (DELTA HEXACHL	2.10 U	U	U	2.20 U	U
GAMMA BHC (LINDANE)	2.10 U	U	U	2.20 U	U
HEPTACHLOR	2.10 U	U	U	2.20 U	U
ALDRIN	2.10 U	U	U	2.20 U	U
HEPTACHLOR EPOXIDE	2.10 U	U	U	2.20 U	U
ALPHA ENDOSULFAN	2.10 U	U	U	2.20 U	U

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EPA NO	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA							
OGDEN ID	B03OAD	B06AAA	B06BAA	B06CAA	B06DAA							
Date Sampled	10/28/97	10/24/97	10/24/97	10/24/97	10/24/97							
Depth		0.00	0.00	0.00	0.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
OM31P (UG/KG) Continued												
	DIELDRIN	4.10 U			3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	DDE (1,1-BIS(CHLOROPHENYL))	5.60	J	S	3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	ENDRIN	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	BETA ENDOSULFAN	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	DDD (1,1-BIS(CHLOROPHENYL))	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	ENDOSULFAN SULFATE	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	DDT (1,1-BIS(CHLOROPHENYL))	9.40	J	S	3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	METHOXYCHLOR	21.00 U	U		20.00 U	U	20.00 U	U	22.00 U	U	21.00 U	U
	ENDRIN KETONE	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	ENDRIN ALDEHYDE	4.10 U	U		3.80 U	U	3.90 U	U	4.20 U	U	4.00 U	U
	ALPHA-CHLORDANE	2.10 U	U		2.00 U	U	2.00 U	U	2.20 U	U	2.10 U	U
	GAMMA-CHLORDANE	2.10 U	U		2.00 U	U	2.00 U	U	2.20 U	U	2.10 U	U
	TOXAPHENE	210.00 U	U		200.00 U	U	200.00 U	U	220.00 U	U	210.00 U	U
	PCB-1016 (AROCHLOR 1016)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U
	PCB-1221 (AROCHLOR 1221)	83.00 U	U		78.00 U	U	79.00 U	U	86.00 U	U	82.00 U	U
	PCB-1232 (AROCHLOR 1232)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U
	PCB-1242 (AROCHLOR 1242)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U
PCB-1248 (AROCHLOR 1248)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U	
PCB-1254 (AROCHLOR 1254)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U	
PCB-1260 (AROCHLOR 1260)	41.00 U	U		38.00 U	U	39.00 U	U	42.00 U	U	40.00 U	U	

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Group I: Soil Data for Methods 8151 and OM31P

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EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
	RESULT	CODE	CODE	RESULT	CODE
8151 (UG/KG)					
DALAPON	300.00 U	U	U	330.00 U	U
DICAMBA	5.40 U	U	U	5.90 U	U
MCP	5400.00 U	U	U	40000.00 P	NJ C,*8,*9
MCPA	18000.00	J	NJ C,*8,*9	5900.00 U	U
DICHLOROPROP	54.00 U	U	U	59.00 U	U
2,4-D (DICHLOROPHENOXYAC	54.00 U	U	U	59.00 U	U
SILVEX (2,4,5-TP)	5.50 U	U	U	6.10 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.50 U	U	U	6.10 U	U
DINOSEB	28.00 U	R	*4	30.00 U	R
2,4 DB	55.00 U	U	U	61.00 U	U
PENTACHLOROPHENOL	20.00 U	U	*4	22.00 U	R
PICLORAM	5.50 U	U	U	6.10 U	U
3,5-DICHLOROBENZOIC ACID	54.00 U	U	U	59.00 U	U
CHLORAMBN	43.00 U	U	U	47.00 U	U
BENTAZON	110.00 U	U	U	130.00 U	U
ACIFLUORFEN	43.00 U	R	*4	47.00 U	R
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U	2.20 U	U
BETA BHC (BETA HEXACHLOR	2.00 U	U	U	2.20 U	U
DELTA BHC (DELTA HEXACHL	2.00 U	U	U	2.20 U	U
GAMMA BHC (LINDANE)	2.00 U	U	U	2.20 U	U
HEPTACHLOR	2.00 U	U	U	2.20 U	U
ALDRIN	2.00 U	U	U	2.20 U	U
HEPTACHLOR EPOXIDE	2.00 U	U	U	2.20 U	U
ALPHA ENDOSULFAN	2.00 U	U	U	2.20 U	U

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EPA NO	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
OGDEN ID	B06EAA	B06EAD	B07AAA	B07BAA	B07CAA
Date Sampled	10/24/97	10/24/97	10/22/97	10/22/97	10/22/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31P (UG/KG) Continued					
DIELDRIN	3.80 U	3.80 U	U	4.20 U	4.40 U
DDE (1,1-BIS(CHLOROPHENYL))	3.80 U	3.80 U	U	4.20 U	5.00 P
ENDRIN	3.80 U	3.80 U	U	4.20 U	4.40 U
BETA ENDOSULFAN	3.80 U	3.80 U	U	4.20 U	4.40 U
DDD (1,1-BIS(CHLOROPHENYL))	3.80 U	3.80 U	U	4.20 U	4.40 U
ENDOSULFAN SULFATE	3.80 U	3.80 U	U	4.20 U	4.40 U
DDT (1,1-BIS(CHLOROPHENYL))	3.80 U	3.80 U	U	4.20 U	9.70
METHOXYCHLOR	20.00 U	20.00 U	U	22.00 U	23.00 U
ENDRIN KETONE	3.80 U	3.80 U	U	4.20 U	4.40 U
ENDRIN ALDEHYDE	3.80 U	3.80 U	U	4.20 U	4.40 U
ALPHA-CHLORDANE	2.00 U	2.00 U	U	2.20 U	2.30 U
GAMMA-CHLORDANE	2.00 U	2.00 U	U	2.20 U	2.30 U
TOXAPHENE	200.00 U	200.00 U	U	220.00 U	230.00 U
PCB-1016 (AROCHLOR 1016)	38.00 U	38.00 U	U	42.00 U	44.00 U
PCB-1221 (AROCHLOR 1221)	77.00 U	77.00 U	U	85.00 U	89.00 U
PCB-1232 (AROCHLOR 1232)	38.00 U	38.00 U	U	42.00 U	44.00 U
PCB-1242 (AROCHLOR 1242)	38.00 U	38.00 U	U	42.00 U	44.00 U
PCB-1248 (AROCHLOR 1248)	38.00 U	38.00 U	U	42.00 U	44.00 U
PCB-1254 (AROCHLOR 1254)	38.00 U	38.00 U	U	42.00 U	44.00 U
PCB-1260 (AROCHLOR 1260)	38.00 U	38.00 U	U	42.00 U	44.00 U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA			
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA			
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97			
Depth	0.00	0.00	0.00	0.00	0.00			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)	DALAPON	310.00 U	U	U	310.00 U	U	U	U
	DICAMBA	5.70 U	U	U	5.60 U	U	U	U
	MCPP	5700.00 U	UJ	C	5600.00 U	UJ	C	C
	MCPA	26000.00 P	NJ	C,*8,*9	16000.00 P	J	C,*9	C,*9
	DICHLOROPROP	57.00 U	U	U	56.00 U	U	U	U
	2,4-D (DICHLOROPHENOXYAC	57.00 U	U	U	56.00 U	U	U	U
	SIL VEX (2,4,5-TP)	5.80 U	U	U	5.70 U	U	U	U
	2,4,5-T (TRICHLOROPHENOXYA	5.80 U	UJ	C	5.70 U	UJ	C	C
	DINOSEB	29.00 U	R	*4	30.00 U	R	*4	*4
	2,4 DB	58.00 U	UJ	C	60.00 U	UJ	C	C
PENTACHLOROPHENOL	20.00 U	R	*4	21.00 U	R	*4	*4	
PICLORAM	5.80 U	UJ	C	6.00 U	UJ	C	C,*4	
3,5-DICHLOROBENZOIC ACID	57.00 U	U	U	59.00 U	U	U	U	
CHLORAMBN	45.00 U	UJ	C	47.00 U	UJ	C	C	
BENTAZON	120.00 U	U	U	120.00 U	U	U	U	
ACIFLUORFEN	45.00 U	R	*4	47.00 U	R	*4	*4	
OM31P (UG/KG)								
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U	2.10 U	U	U	U	U
BETA BHC (BETA HEXACHLOR	2.00 U	U	U	2.10 U	U	U	U	U
DELTA BHC (DELTA HEXACHL	2.00 U	U	U	2.10 U	U	U	U	U
GAMMA BHC (LINDANE)	2.00 U	U	U	2.10 U	U	U	U	U
HEPTACHLOR	2.00 U	U	U	2.10 U	U	U	U	U
ALDRIN	2.00 U	U	U	2.10 U	U	U	U	U
HEPTACHLOR EPOXIDE	2.00 U	U	U	2.10 U	U	U	U	U
ALPHA ENDOSULFAN	2.00 U	U	U	2.10 U	U	U	U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
OGDEN ID	B07DAA	B07EAA	B07EAD	B08AAA	B08BAA
Date Sampled	10/22/97	10/22/97	10/22/97	10/23/97	10/23/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31P (UG/KG) Continued					
DIELDRIN	4.00 U	U	U	3.90 U	U
DDE (1,1-BIS(CHLOROPHENYL)	4.00 U	U		3.90 U	J
ENDRIN	4.00 U	U	U	3.90 U	U
BETA ENDOSULFAN	4.00 U	U	U	3.90 U	U
DDD (1,1-BIS(CHLOROPHENYL)	4.00 U	U	U	3.90 U	U
ENDOSULFAN SULFATE	4.00 U	U	U	3.90 U	U
DDT (1,1-BIS(CHLOROPHENYL)	2.10 J	J		2.20 J	J
METHOXYCHLOR	20.00 U	U	U	20.00 U	U
ENDRIN KETONE	4.00 U	U	U	3.90 U	U
ENDRIN ALDEHYDE	4.00 U	U	U	3.90 U	U
ALPHA-CHLORDANE	2.00 U	U	U	2.00 U	U
GAMMA-CHLORDANE	2.00 U	U	U	2.00 U	U
TOXAPHENE	200.00 U	U	U	200.00 U	U
PCB-1016 (AROCHLOR 1016)	40.00 U	U	U	39.00 U	U
PCB-1221 (AROCHLOR 1221)	81.00 U	U	U	80.00 U	U
PCB-1232 (AROCHLOR 1232)	40.00 U	U	U	39.00 U	U
PCB-1242 (AROCHLOR 1242)	40.00 U	U	U	39.00 U	U
PCB-1248 (AROCHLOR 1248)	40.00 U	U	U	39.00 U	U
PCB-1254 (AROCHLOR 1254)	40.00 U	U	U	39.00 U	U
PCB-1260 (AROCHLOR 1260)	40.00 U	U	U	39.00 U	U

Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA					
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EAD					
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97						
Depth	0.00	0.00	0.00	20.00	?					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
8151 (UG/KG)										
	DALAPON	290.00 U	U		430.00 U	U		350.00 U	U	
	DICAMBA	5.20 U	U		7.70 U	U		6.30 U	U	
	MCPP	5200.00 U	UJ C		7700.00 U	UJ C		6300.00 U	UJ C	
	MCPA	5200.00 U	UJ C		7700.00 U	UJ C		10000.00 P	NJ C,*9,*8	
	DICHLOROPROP	52.00 U	U		77.00 U	U		63.00 U	U	
	2,4-D (DICHLOROPHENOXYAC	52.00 U	U		77.00 U	U		63.00 U	U	
	SIL VEX (2,4,5-TP)	5.30 U	U		7.90 U	U		6.40 U	U	
	2,4,5-T (TRICHLOROPHENOXYA	5.30 U	UJ C		7.90 U	UJ C		6.40 U	UJ C	
	DINOSEB	27.00 U	R *4		39.00 U	R Q,*4		32.00 U	R *4	
OM31P (UG/KG)										
	2,4 DB	53.00 U	UJ C		79.00 U	UJ C		64.00 U	UJ C	
	PENTACHLOROPHENOL	19.00 U	R *4		28.00 U	R Q,*4		23.00 U	R *4	
	PICLORAM	5.30 U	UJ C		7.90 U	UJ C		6.40 U	UJ C	
	3,5-DICHLORO BENZOIC ACID	52.00 U	U		77.00 U	U		63.00 U	U	
	CHLORAMBEN	42.00 U	UJ C		61.00 U	UJ C,Q		50.00 U	UJ C	
	BENTAZON	110.00 U	U		160.00 U	U		130.00 U	U	
	ACFLUORFEN	42.00 U	R *4		61.00 U	R Q,*4		50.00 U	R *4	
	ALPHA BHC (ALPHA HEXACHL	1.90 U	U		2.80 U	U		2.30 U	U	
	BETA BHC (BETA HEXACHLOR	1.90 U	U		2.80 U	U		2.30 U	U	
HEPTACHLOR										
	DELTA BHC (DELTA HEXACHIL	1.90 U	U		2.80 U	U		2.30 U	U	
	GAMMA BHC (LINDANE)	1.90 U	U		2.80 U	U		2.30 U	U	
	HEPTACHLOR	1.90 U	U		2.80 U	U		2.30 U	U	
	ALDRIN	1.90 U	U		2.80 U	U		2.30 U	U	
	HEPTACHLOR EPOXIDE	1.90 U	U		2.80 U	U		2.30 U	U	
	ALPHA ENDOSULFAN	1.90 U	U		2.80 U	U		2.30 U	U	

T:\MMRV\SNAP9\FB\GROUP1\DB (6308 of 6308 records) 02/09/98 18:46:3 read by RGSCHOTTLE

T:\MMRV\SNAP9\FB\VCOC\DB (1434 records) 02/08/98 13:04:3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B08CAA	B08DAA	B08EAA	B08EAD	B08EDA			
OGDEN ID	B08CAA	B08DAA	B08EAA	B08EAD	B08EAD			
Date Sampled	10/23/97	10/23/97	10/23/97	10/23/97				
Depth	0.00	0.00	0.00	20.00	?			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31P (UG/KG) Continued								
DIELDRIN	3.70 U	U	J	*5	44.00	5.40 U	U	
DDE (1,1-BIS(CHLOROPHENYL))	3.70 U	U	J		3.90 J	2.80 J	J	*11
ENDRIN	3.70 U	U	U		4.30 U	5.40 U	U	
BETA ENDOSULFAN	3.70 U	U	U		4.30 U	5.40 U	U	
DDD (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U		4.30 U	5.40 U	U	
ENDOSULFAN SULFATE	3.70 U	U	U		4.30 U	5.40 U	U	
DDT (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U		6.40	5.40 U	J	
METHOXYCHLOR	19.00 U	U	U		22.00 U	28.00 U	U	
ENDRIN KETONE	3.70 U	U	U		4.30 U	5.40 U	U	
ENDRIN ALDEHYDE	3.70 U	U	U		4.30 U	5.40 U	U	
ALPHA-CHLORDANE	1.90 U	U	U		2.20 U	2.80 U	U	
GAMMA-CHLORDANE	1.90 U	U	U		2.20 U	2.80 U	U	
TOXAPHENE	190.00 U	U	U		220.00 U	280.00 U	U	
PCB-1016 (AROCHLOR 1016)	37.00 U	U	U		43.00 U	54.00 U	U	
PCB-1221 (AROCHLOR 1221)	74.00 U	U	U		88.00 U	110.00 U	U	
PCB-1232 (AROCHLOR 1232)	37.00 U	U	U		43.00 U	54.00 U	U	
PCB-1242 (AROCHLOR 1242)	37.00 U	U	U		43.00 U	54.00 U	U	
PCB-1248 (AROCHLOR 1248)	37.00 U	U	U		43.00 U	54.00 U	U	
PCB-1254 (AROCHLOR 1254)	37.00 U	U	U		43.00 U	54.00 U	U	
PCB-1260 (AROCHLOR 1260)	37.00 U	U	U		43.00 U	54.00 U	U	

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T:\MMR\VSNAPO9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA			
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA			
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)								
DALAPON	350.00 U	U	U		380.00 U	U	U	
DICAMBA	6.40 U	U	U		6.80 U	U	U	
MCPP	6400.00 U	UJ	UJ	C	6800.00 U	UJ	UJ	C
MCPA	12000.00 P	J	NJ	*8,*9	6800.00 U	U	NJ	*8,*9
DICHLOROPROP	64.00 U	U	U		68.00 U	U	U	
2,4-D (DICHLOROPHENOXYAC	64.00 U	U	U		68.00 U	U	U	
SIL VEX (2,4,5-TP)	6.50 U	U	U		7.00 U	U	U	
2,4,5-T (TRICHLOROPHENOXYA	6.50 U	U	U		7.00 U	U	U	
DINOSEB	32.00 U	R	R	*4	35.00 U	R	R	*4
2,4 DB	65.00 U	U	U		70.00 U	U	U	
PENTACHLOROPHENOL	23.00 U	R	R	*4	25.00 U	R	R	*4
PICLORAM	6.50 U	UJ	UJ	C	7.00 U	UJ	UJ	C
3,5-DICHLOROBENZOIC ACID	64.00 U	U	U		68.00 U	U	U	
CHLORAMBIEN	51.00 U	UJ	UJ	C	54.00 U	UJ	UJ	C
BENTAZON	140.00 U	U	U		140.00 U	U	U	
ACIFLUORFEN	51.00 U	R	R	*4	54.00 U	R	R	*4
OM31P (UG/KG)								
ALPHA BHC (ALPHA HEXACHL	3.00 B	UJ	UJ	B	3.00 B	UJ	UJ	B
BETA BHC (BETA HEXACHLOR	2.30 BJ	U	U	B	2.50 U	U	U	B
DELTA BHC (DELTA HEXACIL	2.30 U	U	U		2.50 U	U	U	
GAMMA BHC (LINDANE)	2.30 U	U	U		2.50 U	U	U	
HEPTACHLOR	2.30 U	U	U		2.50 U	U	U	
ALDRIN	2.30 U	U	U		2.50 U	U	U	
HEPTACHLOR EPOXIDE	2.30 U	U	U		2.50 U	U	U	
ALPHA ENDOSULFAN	2.30 U	U	U		2.50 U	U	U	

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA				
OGDEN ID	BI1AAA	BI1BAA	BI1CAA	BI1DAA	BI1EAA				
Date Sampled	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued									
DIELDRIN	4.40 U	U		4.80 U	U		4.40 U	U	
DDE (1,1-BIS(CHLOROPHENYL))	5.10	U		2.70 JP	J	*11	2.10 JP	J	*11
ENDRIN	4.40 U	U		4.80 U	U		4.40 U	U	
BETA ENDOSULFAN	4.40 U	U		4.80 U	U		4.40 U	U	
DDD (1,1-BIS(CHLOROPHENYL))	4.40 U	U		4.80 U	U		4.40 U	U	
ENDOSULFAN SULFATE	4.40 U	U		4.80 U	U		4.40 U	U	
DDT (1,1-BIS(CHLOROPHENYL))	4.50	U		5.90	J		3.10 J	J	
METHOXYCHLOR	23.00 U	U		25.00 U	U		23.00 U	U	
ENDRIN KETONE	4.40 U	U		4.80 U	U		4.40 U	U	
ENDRIN ALDEHYDE	4.40 U	U		4.80 U	U		4.40 U	U	
ALPHA-CHLORDANE	2.30 U	U		2.50 U	U		2.30 U	U	
GAMMA-CHLORDANE	2.30 U	U		2.50 U	U		2.30 U	U	
TOXAPHENE	230.00 U	U		250.00 U	U		230.00 U	U	
PCB-1016 (AROCHLOR 1016)	44.00 U	U		48.00 U	U		44.00 U	U	
PCB-1221 (AROCHLOR 1221)	90.00 U	U		97.00 U	U		89.00 U	U	
PCB-1232 (AROCHLOR 1232)	44.00 U	U		48.00 U	U		44.00 U	U	
PCB-1242 (AROCHLOR 1242)	44.00 U	U		48.00 U	U		44.00 U	U	
PCB-1248 (AROCHLOR 1248)	44.00 U	U		48.00 U	U		44.00 U	U	
PCB-1254 (AROCHLOR 1254)	44.00 U	U		48.00 U	U		44.00 U	U	
PCB-1260 (AROCHLOR 1260)	44.00 U	U		48.00 U	U		44.00 U	U	

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA								
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA								
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97								
Depth													
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE					
8151 (UG/KG)													
DALAPON	320.00 U	U			280.00 U	U			310.00 U	U			
DICAMBA	5.80 U	U			5.00 U	U			5.60 U	U			
MCPP	5800.00 U	UJ	C		5000.00 U	UJ	C		5600.00 U	UJ	C		
MCPA	11000.00 P	NJ	*8,*9		5000.00 U	UJ	C		5600.00 U	UJ	C		
DICHLOROPROP	58.00 U	U			50.00 U	U			56.00 U	U			
2,4-D (DICHLOROPHENOXYAC	58.00 U	U			50.00 U	U			56.00 U	U			
SIL VEX (2,4,5-TP)	5.90 U	U			5.20 U	U			5.70 U	U			
2,4,5-T (TRICHLOROPHENOXYA	5.90 U	U			5.20 U	U			5.70 U	U			
DINOSEB	30.00 U	R	*4		26.00 U	R	*4		28.00 U	R	*4		
2,4 DB	59.00 U	U			52.00 U	U			57.00 U	U			
PENTACHLOROPHENOL	21.00 U	R	*4		18.00 U	UJ	*4		20.00 U	UJ	*4		
PICLORAM	5.90 U	UJ	C		5.20 U	UJ	C		5.70 U	UJ	C		
3,5-DICHLOROBENZOIC ACID	58.00 U	U			50.00 U	U			56.00 U	U			
CHLORAMBN	46.00 U	UJ	C		40.00 U	UJ	*4		45.00 U	UJ	*4		
BENTAZON	120.00 U	U			110.00 U	U			120.00 U	U			
ACIFLUORFEN	46.00 U	R	*4		40.00 U	R	*4		45.00 U	R	*4		
OM31P (UG/KG)													
ALPHA BHC (ALPHA HEXACHL	2.60 B	UJ	B		2.50 B	UJ	B		2.70 B	UJ	B		
BETA BHC (BETA HEXACHLOR	2.10 U	U			1.80 BJ	U	B		2.00 BJ	U	B		
DELTA BHC (DELTA HEXACHL	2.10 U	U			1.80 U	U			2.00 U	U			
GAMMA BHC (LINDANE)	2.10 U	U			1.80 U	U			2.00 U	U			
HEPTACHLOR	2.10 U	U			1.80 U	U			2.00 U	U			
ALDRIN	2.10 U	U			1.80 U	U			2.00 U	U			
HEPTACHLOR EPOXIDE	2.10 U	U			1.80 U	U			2.00 U	U			
ALPHA ENDOSULFAN	2.10 U	U			1.80 U	U			2.00 U	U			

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Group I: Soil Data for Methods 8151 and OM31P

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EPA NO	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
OGDEN ID	B11EAD	B13AAA	B13BAA	B13CAA	B13DAA
Date Sampled	10/27/97	10/28/97	10/28/97	10/28/97	10/29/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31P (UG/KG) Continued					
DIELDRIN	4.10 U	U	U	3.90 U	U
DDE (1,1-BIS(CHLOROPHENYL))	2.40 JP	J	U	3.90 U	U
ENDRIN	4.10 U	U	U	3.90 U	U
BETA ENDOSULFAN	4.10 U	U	U	3.90 U	U
DDD (1,1-BIS(CHLOROPHENYL))	4.10 U	U	U	3.90 U	U
ENDOSULFAN SULFATE	4.10 U	U	U	3.90 U	U
DDT (1,1-BIS(CHLOROPHENYL))	4.10 U	U	U	3.90 U	U
METHOXYCHLOR	21.00 U	U	U	20.00 U	U
ENDRIN KETONE	4.10 U	U	U	3.90 U	U
ENDRIN ALDEHYDE	4.10 U	U	U	3.90 U	U
ALPHA-CHLORDANE	2.10 U	U	U	2.00 U	U
GAMMA-CHLORDANE	2.10 U	U	U	2.00 U	U
TOXAPHENE	210.00 U	U	U	200.00 U	U
PCB-1016 (AROCHLOR 1016)	41.00 U	U	U	39.00 U	U
PCB-1221 (AROCHLOR 1221)	83.00 U	U	U	80.00 U	U
PCB-1232 (AROCHLOR 1232)	41.00 U	U	U	39.00 U	U
PCB-1242 (AROCHLOR 1242)	41.00 U	U	U	39.00 U	U
PCB-1248 (AROCHLOR 1248)	41.00 U	U	U	39.00 U	U
PCB-1254 (AROCHLOR 1254)	41.00 U	U	U	39.00 U	U
PCB-1260 (AROCHLOR 1260)	41.00 U	U	U	39.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD			
OGDEN ID	B13EAA	B13EAD	B15AAA	B15BAA	B15BAD			
Date Sampled	10/29/97	10/29/97	10/27/97	10/27/97	10/27/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)								
DALAPON	300.00 U	U	U	U	280.00 U	U	U	U
DICAMBA	5.30 U	U	U	U	7.70	U	U	*8,*9 NJ
MCPP	5300.00 U	UJ C	UJ C	UJ C	5000.00 U	UJ C	UJ C	UJ C
MCPA	5300.00 U	UJ C	UJ C	UJ C	5000.00 U	U	U	U
DICHLOROPROP	53.00 U	U	U	U	50.00 U	U	U	U
2,4-D (DICHLOROPHENOXYAC	53.00 U	U	U	U	50.00 U	U	U	U
SILVEX (2,4,5-TP)	5.40 U	U	U	U	16.00	U	U	*8,*9 NJ
2,4,5-T (TRICHLOROPHENOXYA	5.40 U	U	U	U	22.00 P	NJ	NJ	*8,*9 NJ
DINOSEB	27.00 U	R	*4	*4	26.00 U	R	R	*4
2,4 DB	54.00 U	U	U	U	52.00 U	UJ C	UJ C	U
PENTACHLOROPHENOL	19.00 U	UJ	*4	*4	18.00 U	U	U	*4
PICLORAM	5.40 U	UJ C	UJ C	UJ C	5.20 U	UJ C	UJ C	UJ C
3,5-DICHLOROBENZOIC ACID	53.00 U	U	U	U	50.00 U	U	U	U
CHLORAMBN	43.00 U	UJ	*4	*4	40.00 U	UJ C	UJ C	UJ C
BENTAZON	110.00 U	U	U	U	110.00 U	UJ C	UJ C	U
ACIFLUORFEN	43.00 U	R	*4	*4	40.00 U	R	R	*4
OM31P (UG/KG)								
ALPHA BHC (ALPHA HEXACHL	2.60 B	UJ B	UJ B	UJ B,H	2.30 B	UJ B	UJ B	UJ B
BETA BHC (BETA HEXACHLOR	1.90 BJ	U B	U B	UJ B,H	1.80 BJ	U B	U B	U
DELTA BHC (DELTA HEXACHL	1.90 U	U	U	UJ H	1.80 U	U	U	U
GAMMA BHC (LINDANE)	1.90 U	U	U	UJ H	1.80 U	U	U	U
HEPTACHLOR	1.90 U	U	U	UJ H	1.80 U	U	U	U
ALDRIN	1.90 U	U	U	UJ H	1.80 U	U	U	U
HEPTACHLOR EPOXIDE	1.90 U	U	U	UJ H	1.80 U	U	U	U
ALPHA ENDOSULFAN	1.90 U	U	U	UJ H	1.80 U	U	U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	BOPAAA	BOPBAA	S01DAA	S01DAD	S01DCA					
OGDEN ID	BOPAAA	BOPBAA	S01DAA	S01DAD	S01DCA					
Date Sampled	10/29/97	10/29/97	8/20/97	8/20/97	8/20/97					
Depth			0.00	0.00	10.00					
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE				
8151 (UG/KG)										
	DALAPON	290.00 U	U		300.00 U	U		260.00 U	U	
	DICAMBA	5.20 U	U		5.40 U	U		5.40 U	U	
	MCPP	5200.00 U	UJ	C	5400.00 U	U		5400.00 U	U	
	MCPA	5800.00 P	J	C,*9	5400.00 U	U		5400.00 U	U	
	DICHLOROPROP	52.00 U	U		54.00 U	U		54.00 U	U	
	2,4-D (DICHLOROPHENOXYAC	52.00 U	U		54.00 U	U		54.00 U	U	
	SILVEX (2,4,5-TP)	5.30 U	U		5.50 U	U		5.50 U	U	
	2,4,5-T (TRICHLOROPHENOXYA	5.30 U	U		5.50 U	U		5.50 U	U	
	DINOSEB	27.00 U	R	*4	28.00 U	U		28.00 U	U	
2,4 DB	53.00 U	U		55.00 U	U		55.00 U	U		
PENTACHLOROPHENOL	19.00 U	UJ	*4	20.00 U	U		20.00 U	U		
PICLORAM	5.30 U	UJ	C	5.50 U	UJ	C	5.50 U	UJ	C	
3,5-DICHLOROBENZOIC ACID	52.00 U	U		54.00 U	U		54.00 U	U		
CHLORAM BEN	42.00 U	UJ	*4	57.00 U	U		57.00 U	U		
BENTAZON	110.00 U	U		110.00 U	U		110.00 U	U		
ACIFLUORFEN	42.00 U	R	*4	57.00 U	R	*4	57.00 U	R	*4	
OM31P (UG/KG)										
ALPHA BHC (ALPHA HEXACHL	2.50 B	UJ	B		2.00 U	U		2.00 U	U	
BETA BHC (BETA HEXACHLOR	1.90 B	UJ	B		2.00 U	U		2.00 U	U	
DELTA BHC (DELTA HEXACHIL	1.90 U	U			2.00 U	U		2.00 U	U	
GAMMA BHC (LINDANE)	1.90 U	U			2.00 U	U		2.00 U	U	
HEPTACHLOR	1.90 U	U			2.00 U	U		2.00 U	U	
ALDRIN	1.90 U	U			2.00 U	U		2.00 U	U	
HEPTACHLOR EPOXIDE	1.90 U	U			2.00 U	U		2.00 U	U	
ALPHA ENDOSULFAN	1.90 U	U			2.00 U	U		2.00 U	U	

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Validated MMR Data for SDGs 1-17, 28-30

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	BOPAAA	BOPBAA	S01DAA	S01DAD	S01DCA	
OGDEN ID	BOPAAA	BOPBAA	S01DAA	S01DAD	S01DCA	
Date Sampled	10/29/97	10/29/97	8/20/97	8/20/97	8/20/97	
Depth			0.00	0.00	10.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued						
DIELDRIN	3.70 U	U	U	3.80 U	U	3.40 U
DDE (1,1-BIS(CHLOROPHENYL))	3.50 J	J	U	3.80 U	U	3.40 U
ENDRIN	3.70 U	U	U	3.80 U	U	3.40 U
BETA ENDOSULFAN	3.70 U	U	U	3.80 U	U	3.40 U
DDD (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U	3.80 U	U	3.40 U
ENDOSULFAN SULFATE	3.70 U	U	U	3.80 U	U	3.40 U
DDT (1,1-BIS(CHLOROPHENYL))	9.80	U	U	3.80 U	U	3.40 U
METHOXYCHLOR	19.00 U	U	U	20.00 U	UJ	17.00 U
ENDRIN KETONE	3.70 U	U	U	3.80 U	U	3.40 U
ENDRIN ALDEHYDE	3.70 U	U	U	3.80 U	U	3.40 U
ALPHA-CHLORDANE	1.90 U	U	U	2.00 U	U	1.70 U
GAMMA-CHLORDANE	1.90 U	U	U	2.00 U	U	1.70 U
TOXAPHENE	190.00 U	U	U	200.00 U	U	170.00 U
PCB-1016 (AROCHLOR 1016)	37.00 U	U	U	38.00 U	U	34.00 U
PCB-1221 (AROCHLOR 1221)	74.00 U	U	U	77.00 U	U	68.00 U
PCB-1232 (AROCHLOR 1232)	37.00 U	U	U	38.00 U	U	34.00 U
PCB-1242 (AROCHLOR 1242)	37.00 U	U	U	38.00 U	U	34.00 U
PCB-1248 (AROCHLOR 1248)	37.00 U	U	U	38.00 U	U	34.00 U
PCB-1254 (AROCHLOR 1254)	37.00 U	U	U	38.00 U	U	34.00 U
PCB-1260 (AROCHLOR 1260)	37.00 U	U	U	38.00 U	U	34.00 U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S02DAA	S02DAD	S03DAA	S03DAD	S04DAA				
OGDEN ID	S02DAA	S02DAD	S03DAA	S03DAD	S04DAA				
Date Sampled	8/21/97	8/21/97	8/20/97	8/20/97	8/13/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
8151 (UG/KG)									
	DALAPON	310.00 U	U	U		380.00 U	U	U	*4
	DICAMBA	5.70 U	U	U		6.90 U	U	U	
	MCPP	5700.00 U	U	U		6900.00 U	U	U	
	MCPA	5700.00 U	U	U		6900.00 U	U	U	*9
	DICHLOROPROP	57.00 U	U	U		69.00 U	U	U	
	2,4-D (DICHLOROPHENOXYAC	57.00 U	U	U		69.00 U	U	U	
	SIL VEX (2,4,5-TP)	5.80 U	U	U		7.00 U	U	U	
	2,4,5-T (TRICHLOROPHENOXYA	5.80 U	U	U		7.00 U	U	U	
	DINOSEB	29.00 U	U	U		35.00 U	U	U	*4
2,4 DB	58.00 U	U	U		70.00 U	U	U		
PENTACHLOROPHENOL	20.00 U	U	U		25.00 U	U	U	*4	
PICLORAM	5.80 U	UJ	UJ	C	7.00 U	UJ	UJ	C,*4	
3,5-DICHLOROBENZOIC ACID	57.00 U	U	U		69.00 U	U	U		
CHLORAMBN	60.00 U	U	U		74.00 U	U	U	C,*4	
BENTAZON	120.00 U	U	U		150.00 U	U	U	C	
ACIFLUORFEN	60.00 U	R	R	*4	74.00 U	R	R	*4	
OM31P (UG/KG)									
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U		2.50 U	U	U		
BETA BHC (BETA HEXACHLOR	2.00 U	U	U		2.50 U	U	U		
DELTA BHC (DELTA HEXACHL	2.00 U	U	U		2.50 U	U	U		
GAMMA BHC (LINDANE)	2.00 U	U	U		2.50 U	U	U		
HEPTACHLOR	2.00 U	U	U		2.50 U	U	U		
ALDRIN	2.00 U	U	U		2.50 U	U	U		
HEPTACHLOR EPOXIDE	2.00 U	U	U		2.50 U	U	U		
ALPHA ENDOSULFAN	2.00 U	U	U		2.50 U	U	U		

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S02DAA	S02DAD	S03DAA	S03DAD	S04DAA				
OGDEN ID	S02DAA	S02DAD	S03DAA	S03DAD	S04DAA				
Date Sampled	8/21/97	8/21/97	8/20/97	8/20/97	8/13/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued									
DIELDRIN	4.00 U								
DDE (1,1-BIS(CHLOROPHENYL))	14.00								
ENDRIN	4.00 U								
BETA ENDOSULFAN	4.00 U								
DDD (1,1-BIS(CHLOROPHENYL))	4.00 U								
ENDOSULFAN SULFATE	4.00 U								
DDT (1,1-BIS(CHLOROPHENYL))	21.00								
METHOXYCHLOR	20.00 U								
ENDRIN KETONE	4.00 U								
ENDRIN ALDEHYDE	4.00 U								
ALPHA-CHLORDANE	2.00 U								
GAMMA-CHLORDANE	2.00 U								
TOXAPHENE	200.00 U								
PCB-1016 (AROCHLOR 1016)	40.00 U								
PCB-1221 (AROCHLOR 1221)	81.00 U								
PCB-1232 (AROCHLOR 1232)	40.00 U								
PCB-1242 (AROCHLOR 1242)	40.00 U								
PCB-1248 (AROCHLOR 1248)	40.00 U								
PCB-1254 (AROCHLOR 1254)	40.00 U								
PCB-1260 (AROCHLOR 1260)	40.00 U								

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S04DAD	S04DCA	S04DEA	S04DFA	S04DGA									
OGDEN ID	S04DAD	S04DCA	S04DEA	S04DFA	S04DGA									
Date Sampled	8/13/97	8/14/97	8/14/97	8/14/97	8/14/97									
Depth	0.00	10.00	30.00	40.00	50.00									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE						
8151 (UG/KG)														
	DALAPON	300.00 U	R			270.00 U	R		*4	270.00 U	UJ			*4,C
	DICAMBA	5.40 U	U			4.80 U	U			4.80 U	U			
	MCPP	5400.00 U	U			4800.00 U	U			4800.00 U	U			
	MCPA	8400.00	U			4800.00 U	U			4800.00 U	U			
	DICHLOROPROP	54.00 U	U			48.00 U	U			48.00 U	U			
	2,4-D (DICHLOROPHENOXYAC	54.00 U	U			48.00 U	U			48.00 U	U			
	SILVEX (2,4,5-TP)	5.50 U	U			4.90 U	U			4.90 U	U			
	2,4,5-T (TRICHLOROPHENOXYA	5.50 U	U			4.90 U	U			4.90 U	U			
	DINOSEB	28.00 U	R		*4	25.00 U	R		*4	24.00 U	R		*4	*4
OM31P (UG/KG)	2,4 DB	55.00 U	U			49.00 U	U			49.00 U	U			
	PENTACHLOROPHENOL	20.00 U	UJ		*4	18.00 U	UJ		*4	17.00 U	U			
	PICLORAM	5.50 U	UJ	C,*4	*4,C	4.90 U	UJ		*4,C	4.90 U	UJ		C	C
	3,5-DICHLOROBENZOIC ACID	54.00 U	U			48.00 U	U			48.00 U	U			
	CHLORAMBN	57.00 U	UJ	C,*4	*4,C	51.00 U	UJ		*4,C	51.00 U	U			
	BENTAZON	110.00 U	UJ	C	C	100.00 U	UJ		C	100.00 U	U			
	ACIFLUORFEN	57.00 U	R	*4	*4	51.00 U	R		*4	51.00 U	U			
	ALPHA BHC (ALPHA HEXACHL	2.00 U	U			1.80 U	U			1.80 U	U			
	BETA BHC (BETA HEXACHLOR	2.00 U	U			1.80 U	U			1.80 U	U			
	DELTA BHC (DELTA HEXACHL	2.00 U	U			1.80 U	U			1.80 U	U			
HEPTACHLOR	GAMMA BHC (LINDANE)	2.00 U	U			1.80 U	U			1.80 U	U			
	HEPTACHLOR	2.00 U	U			1.80 U	U			1.80 U	U			
	ALDRIN	2.00 U	U			1.80 U	U			1.80 U	U			
	HEPTACHLOR EPOXIDE	2.00 U	U			1.80 U	U			1.80 U	U			
	ALPHA ENDOSULFAN	2.00 U	U			1.80 U	U			1.80 U	U			
		2.00 U	U			1.80 U	U			1.80 U	U			

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S04DAD	S04DCA	S04DEA	S04DFA	S04DGA				
OGDEN ID	S04DAD	S04DCA	S04DEA	S04DFA	S04DGA				
Date Sampled	8/13/97	8/14/97	8/14/97	8/14/97	8/14/97				
Depth	0.00	10.00	30.00	40.00	50.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued									
DIELDRIN	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
ENDRIN	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
BETA ENDOSULFAN	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
ENDOSULFAN SULFATE	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
METHOXYCHLOR	20.00 U	U	17.00 U	U	18.00 U	U	17.00 U	U	U
ENDRIN KETONE	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
ENDRIN ALDEHYDE	3.80 U	U	3.40 U	U	3.40 U	U	3.40 U	U	U
ALPHA-CHLORDANE	2.00 U	U	1.70 U	U	1.80 U	U	1.70 U	U	U
GAMMA-CHLORDANE	2.00 U	U	1.70 U	U	1.80 U	U	1.70 U	U	U
TOXAPHENE	200.00 U	U	170.00 U	U	180.00 U	U	170.00 U	U	U
PCB-1016 (AROCHLOR 1016)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U
PCB-1221 (AROCHLOR 1221)	77.00 U	U	68.00 U	U	69.00 U	U	68.00 U	U	U
PCB-1232 (AROCHLOR 1232)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U
PCB-1242 (AROCHLOR 1242)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U
PCB-1248 (AROCHLOR 1248)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U
PCB-1254 (AROCHLOR 1254)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U
PCB-1260 (AROCHLOR 1260)	38.00 U	U	34.00 U	U	34.00 U	U	34.00 U	U	U

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EPA NO	S04DHA	S04DMA	S04DNA	S04DOA	S05DAA				
OGDEN ID	S04DHA	S04DMA	S04DNA	S04DOA	S05DAA				
Date Sampled	8/14/97	8/15/97	8/15/97	8/15/97	8/20/97				
Depth	60.00	110.00	120.00	130.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
8151 (UG/KG)	DALAPON	260.00 U	UJ	*4,C	270.00 U	UJ	*4,C		
	DICAMBA	4.80 U	U		4.80 U	U			
	MCP	4800.00 U	U		4800.00 U	U			
	MCPA	4800.00 U	U		4800.00 U	U			
	DICHLOROPROP	48.00 U	U		48.00 U	U			
	2,4-D (DICHLOROPHENOXYAC	48.00 U	U		48.00 U	U			
	SILVEX (2,4,5-TP)	4.90 U	U		4.90 U	U			
	2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U		4.90 U	U			
	DINOSEB	24.00 U	R	*4	25.00 U	R	*4		
	2,4 DB	49.00 U	U		49.00 U	U			
	PENTACHLOROPHENOL	17.00 U	U		18.00 U	U			
	PICLORAM	4.90 U	UJ	C	4.90 U	UJ	C		
	3,5-DICHLORO BENZOIC ACID	48.00 U	U		48.00 U	U			
	CHLORAM BEN	51.00 U	U		52.00 U	U			
	BENTAZON	100.00 U	U		100.00 U	U			
	ACIFLUORFEN	51.00 U	U		52.00 U	U			
	OM31P (UG/KG)								
	ALPHA BHC (ALPHA HEXACHL	1.40 J	J	F	1.80 U	U			
	BETA BHC (BETA HEXACHLOR	1.70 U	U		1.80 U	U			
DELTA BHC (DELTA HEXACHL	1.30 JP	J	*11	1.80 U	U				
GAMMA BHC (LINDANE)	1.70 U	U		1.80 U	U				
HEPTACHLOR	1.70 U	U		1.80 U	U				
ALDRIN	1.70 U	U		1.80 U	U				
HEPTACHLOR EPOXIDE	1.70 U	U		1.80 U	U				
ALPHA ENDOSULFAN	1.70 U	U		1.80 U	U				

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S05DAD	S06DAA	S06DAD	S07DAA	S07DAD
OGDEN ID	S05DAD	S06DAA	S06DAD	S07DAA	S07DAD
Date Sampled	8/20/97	8/20/97	8/20/97	7/29/97	7/29/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8151 (UG/KG)					
DALAPON	320.00 U	U	U	300.00 U	U
DICAMBA	5.70 U	U	U	5.50 U	U
MCP	5700.00 U	U	U	5500.00 U	U
MCPA	5700.00 U	U	U	5500.00 U	U
DICHLOROPROP	57.00 U	U	U	55.00 U	U
2,4-D (DICHLOROPHENOXYAC	57.00 U	U	U	55.00 U	U
SIL VEX (2,4,5-TP)	5.80 U	U	U	5.60 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.80 U	U	U	5.60 U	U
DINOSEB	29.00 U	U	U	28.00 U	U
2,4 DB	58.00 U	U	U	56.00 U	U
PENTACHLOROPHENOL	21.00 U	U	U	20.00 U	U
PICLORAM	5.80 U	U	U	5.60 U	U
3,5-DICHLOROBENZOIC ACID	57.00 U	U	U	55.00 U	U
CHLORAMBN	61.00 U	U	U	58.00 U	U
BENTAZON	120.00 U	U	U	120.00 U	U
ACIFLUORFEN	61.00 U	U	U	58.00 U	U
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	2.10 U	U	U	2.00 U	U
BETA BHC (BETA HEXACHLOR	2.10 U	U	U	2.00 U	U
DELTA BHC (DELTA HEXACHL	2.10 U	U	U	2.00 U	U
GAMMA BHC (LINDANE)	2.10 U	U	U	2.00 U	U
HEPTACHLOR	2.10 U	U	U	2.00 U	U
ALDRIN	2.10 U	U	U	2.00 U	U
HEPTACHLOR EPOXIDE	2.10 U	U	U	2.00 U	U
ALPHA ENDOSULFAN	2.10 U	U	U	2.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S07DCA	S08DAA	S08DAD	S09DAA	S09DAD								
OGDEN ID	S07DCA	S08DAA	S08DAD	S09DAA	S09DAD								
Date Sampled	7/29/97	8/21/97	8/21/97	8/21/97	8/21/97								
Depth	10.00	0.00	0.00	0.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE					
8151 (UG/KG)													
	DALAPON	270.00 U	U		360.00 U	U		370.00 U	U	300.00 U	U	290.00 U	U
	DICAMBA	4.80 U	U		6.40 U	U		6.60 U	U	5.30 U	U	5.30 U	U
	MCPP	4800.00 U	U		6400.00 U	U		6600.00 U	U	5300.00 U	U	5300.00 U	U
	MCPA	4800.00 U	UJ	C	6400.00 U	U		6600.00 U	U	14000.00 P	J	21000.00	
	DICHLOROPROP	48.00 U	U		64.00 U	U		66.00 U	U	53.00 U	UJ	53.00 U	UJ
	2,4-D (DICHLOROPHENOXYAC	48.00 U	U		64.00 U	U		66.00 U	U	53.00 U	UJ	53.00 U	UJ
	SIL VEX (2,4,5-TP)	4.90 U	U		6.60 U	U		6.80 U	U	5.40 U	UJ	5.40 U	UJ
	2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U		6.60 U	U		6.80 U	U	5.40 U	UJ	5.40 U	UJ
	DINOSEB	25.00 U	R	*4	33.00 U	U		34.00 U	U	27.00 U	R	27.00 U	R
OM31P (UG/KG)	2,4 DB	49.00 U	U		66.00 U	U		68.00 U	U	54.00 U	UJ	54.00 U	UJ
	PENTACHLOROPHENOL	18.00 U	U		23.00 U	U		24.00 U	U	19.00 U	U	19.00 U	U
	PICLORAM	4.90 U	U		6.60 U	U		6.80 U	U	5.40 U	U	5.40 U	U
	3,5-DICHLOROBENZOIC ACID	48.00 U	U		64.00 U	U		66.00 U	U	53.00 U	UJ	53.00 U	UJ
	CHLORAMBEN	52.00 U	U		68.00 U	U		70.00 U	U	57.00 U	U	56.00 U	U
	BENTAZON	100.00 U	U		140.00 U	U		140.00 U	U	110.00 U	U	110.00 U	U
	ACIFLUORFEN	52.00 U	R	*4	68.00 U	R	*4	70.00 U	R	57.00 U	R	56.00 U	R
	ALPHA BHC (ALPHA HEXACHL	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U
	BETA BHC (BETA HEXACHLOR	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U
	DELTA BHC (DELTA HEXACHL	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U
GAMMA BHC (LINDANE)	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U	
HEPTACHLOR	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U	
ALDRIN	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U	
HEPTACHLOR EPOXIDE	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U	
ALPHA ENDOSULFAN	1.80 U	U		2.30 U	U		2.40 U	U	1.90 U	U	1.90 U	U	

T:\MMR\VSNA\AP9\FB\GROUP1.DB (6308 of 6308 records) 02/09/98 18:46.3 read by RGSC\HOTTLF

T:\MMR\VSNA\AP9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S07DCA	S08DAA	S08DAD	S09DAA	S09DAD
OGDEN ID	S07DCA	S08DAA	S08DAD	S09DAA	S09DAD
Date Sampled	7/29/97	8/21/97	8/21/97	8/21/97	8/21/97
Depth	10.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31P (UG/KG) Continued					
DIELDRIN	3.40 U	U	U	3.80 U	U
DDE (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	3.80 U	U
ENDRIN	3.40 U	U	U	3.80 U	U
BETA ENDOSULFAN	3.40 U	U	U	3.80 U	U
DDD (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	3.80 U	U
ENDOSULFAN SULFATE	3.40 U	U	U	3.80 U	U
DDT (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	3.80 U	U
METHOXYCHLOR	18.00 U	UJ C	UJ C	19.00 U	UJ C
ENDRIN KETONE	3.40 U	U	U	3.80 U	U
ENDRIN ALDEHYDE	3.40 U	U	U	3.80 U	U
ALPHA-CHLORDANE	1.80 U	U	U	1.90 U	U
GAMMA-CHLORDANE	1.80 U	U	U	1.90 U	U
TOXAPHENE	180.00 U	U	U	190.00 U	U
PCB-1016 (AROCHELOR 1016)	34.00 U	U	U	38.00 U	U
PCB-1221 (AROCHELOR 1221)	69.00 U	U	U	76.00 U	U
PCB-1232 (AROCHELOR 1232)	34.00 U	U	U	38.00 U	U
PCB-1242 (AROCHELOR 1242)	34.00 U	U	U	38.00 U	U
PCB-1248 (AROCHELOR 1248)	34.00 U	U	U	38.00 U	U
PCB-1254 (AROCHELOR 1254)	34.00 U	U	U	38.00 U	U
PCB-1260 (AROCHELOR 1260)	34.00 U	U	U	38.00 U	U

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T:\MMR\VSNAPO9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S10DNA	S11DAA	S11DAD	S11DCA	S11DEA							
OGDEN ID	S10DNA	S11DAA	S11DAD	S11DCA	S11DEA							
Date Sampled	8/1/97	8/8/97	8/8/97	8/8/97	8/11/97							
Depth	120.00	0.00	0.00	10.00	30.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
8151 (UG/KG)												
	DALAPON	270.00 U	U	U	280.00 U	U	U	270.00 U	U	260.00 U	R	*4
	DICAMBA	4.80 U	U	U	5.00 U	U	U	4.80 U	U	4.80 U	U	U
	MCPP	4800.00 U	UJ	C	5000.00 U	U	U	4800.00 U	U	4800.00 U	U	U
	MCPA	4800.00 U	U	U	5000.00 U	UJ	C	4800.00 U	U	4800.00 U	U	U
	DICHLOROPROP	48.00 U	U	U	50.00 U	U	U	48.00 U	U	48.00 U	U	U
	2,4-D (DICHLOROPHENOXYAC	48.00 U	U	U	50.00 U	U	U	48.00 U	U	48.00 U	U	U
	SILVEX (2,4,5-TP)	4.90 U	U	U	5.20 U	U	U	4.90 U	U	4.90 U	U	U
	2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U	U	5.20 U	U	U	4.90 U	U	4.90 U	U	U
	DINOSEB	25.00 U	R	*4	26.00 U	R	*4	25.00 U	R	24.00 U	R	*4
OM31P (UG/KG)												
	2,4 DB	49.00 U	U	U	52.00 U	U	U	49.00 U	U	49.00 U	U	U
	PENTACHLOROPHENOL	18.00 U	R	*4	18.00 U	UJ	*4	18.00 U	UJ	17.00 U	UJ	*4
	PICLORAM	4.90 U	U	U	5.20 U	UJ	C	4.90 U	UJ	4.90 U	UJ	C,*4
	3,5-DICHLOROBENZOIC ACID	48.00 U	U	U	50.00 U	U	U	48.00 U	U	48.00 U	U	U
	CHLORAMBN	52.00 U	UJ	C	54.00 U	UJ	C	52.00 U	UJ	51.00 U	UJ	*4
	BENTAZON	100.00 U	U	U	110.00 U	U	U	100.00 U	U	100.00 U	U	U
	ACIFLUORFEN	52.00 U	R	*4	54.00 U	R	*4	52.00 U	R	51.00 U	R	*4
	ALPHA BHC (ALPHA HEXACHL	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U
	BETA BHC (BETA HEXACHLOR	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U
DELTA BHC (DELTA HEXACHIL	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	
GAMMA BHC (LINDANE)	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	
HEPTACHLOR	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	
ALDRIN	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	
HEPTACHLOR EPOXIDE	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	
ALPHA ENDOSULFAN	1.80 U	U	U	1.80 U	UJ	S	1.80 U	U	1.70 U	U	U	

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	SI1D1NA	SI1D1AA	SI1D1AD	SI1D1CA	SI1D1EA	
OGDEN ID	SI1D1NA	SI1D1AA	SI1D1AD	SI1D1CA	SI1D1EA	
Date Sampled	8/1/97	8/8/97	8/8/97	8/8/97	8/11/97	
Depth	120.00	0.00	0.00	10.00	30.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31P (UG/KG) Continued						
DIELDRIN	3.40 U	U	3.50 U	U	3.40 U	U
DDE (1,1-BIS(CHLOROPHENYL)	3.40 U	U	3.50 U	U	3.40 U	U
ENDRIN	3.40 U	U	3.50 U	U	3.40 U	U
BETA ENDOSULFAN	3.40 U	U	3.50 U	U	3.40 U	U
DDD (1,1-BIS(CHLOROPHENYL)	3.40 U	U	3.50 U	U	3.40 U	U
ENDOSULFAN SULFATE	3.40 U	U	3.50 U	U	3.40 U	U
DDT (1,1-BIS(CHLOROPHENYL)	18.00 U	U	18.00 U	U	17.00 U	U
METHOXYCHLOR	3.40 U	U	3.50 U	U	3.40 U	U
ENDRIN KETONE	3.40 U	U	3.50 U	U	3.40 U	U
ENDRIN ALDEHYDE	1.80 U	U	1.80 U	U	1.70 U	U
ALPHA-CHLORDANE	1.80 U	U	1.80 U	U	1.70 U	U
GAMMA-CHLORDANE	180.00 U	U	180.00 U	U	170.00 U	U
TOXAPHENE	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1016 (AROCHLOR 1016)	69.00 U	U	72.00 U	U	68.00 U	U
PCB-1221 (AROCHLOR 1221)	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1232 (AROCHLOR 1232)	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1242 (AROCHLOR 1242)	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1248 (AROCHLOR 1248)	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1254 (AROCHLOR 1254)	34.00 U	U	35.00 U	U	34.00 U	U
PCB-1260 (AROCHLOR 1260)	34.00 U	U	35.00 U	U	34.00 U	U

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T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

Group I: Soil Data for Methods 8151 and OM31P

EPA NO	SI1DFA	SI1DGA	SI1DIA	SI1DKA									
OGDEN ID	SI1DFA	SI1DGA	SI1DIA	SI1DKA									
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97									
Depth	40.00	50.00	60.00	70.00									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	
8151 (UG/KG)	DALAPON	260.00 U	R	R	*4	270.00 U	R	R	*4	270.00 U	R	R	*4
	DICAMBA	4.80 U	U	U		4.80 U	U	U		4.80 U	U	U	
	MCPP	4800.00 U	U	U		4800.00 U	U	U		4800.00 U	U	U	
	MCPA	4800.00 U	U	U		4800.00 U	U	U		4800.00 U	U	U	
	DICHLOROPROP	48.00 U	U	U		48.00 U	U	U		48.00 U	U	U	
	2,4-D (DICHLOROPHENOXYAC	48.00 U	U	U		48.00 U	U	U		48.00 U	U	U	
	SILVEX (2,4,5-TP)	4.90 U	U	U		4.90 U	U	U		4.90 U	U	U	
	2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U	U		4.90 U	U	U		4.90 U	U	U	
	DINOSEB	24.00 U	R	R	*4	25.00 U	R	R	*4	25.00 U	R	R	*4
	2,4 DB	49.00 U	U	U		49.00 U	U	U		49.00 U	U	U	
PENTACHLOROPHENOL	17.00 U	UJ	UJ	*4	18.00 U	UJ	UJ	*4	18.00 U	UJ	UJ	*4	
PICLORAM	4.90 U	UJ	UJ	C,*4	4.90 U	UJ	UJ	C,*4	4.90 U	UJ	UJ	C,*4	
3,5-DICHLOROBENZOIC ACID	48.00 U	U	U		48.00 U	U	U		48.00 U	U	U		
CHLORAMBEN	51.00 U	UJ	UJ	*4	52.00 U	UJ	UJ	*4	52.00 U	UJ	UJ	*4	
BENTAZON	100.00 U	U	U		100.00 U	U	U		100.00 U	U	U		
ACIFLUORFEN	51.00 U	R	R	*4	52.00 U	R	R	*4	52.00 U	R	R	*4	
OM31P (UG/KG)													
ALPHA BHC (ALPHA HEXACHL	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
BETA BHC (BETA HEXACHLOR	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
DELTA BHC (DELTA HEXACHIL	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
GAMMA BHC (LINDANE)	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
HEPTACHLOR	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
ALDRIN	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
HEPTACHLOR EPOXIDE	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		
ALPHA ENDOSULFAN	1.70 U	U	U		1.70 U	U	U		1.80 U	U	U		

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S11DFA	S11DGA	S11DIA	S11DKA						
OGDEN ID	S11DFA	S11DGA	S11DIA	S11DKA						
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97						
Depth	40.00	50.00	60.00	90.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
OM31P (UG/KG) Continued										
DIELDRIN	3.40 U	U			3.40 U	U			3.40 U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.40 U	U			3.40 U	U			3.40 U	U
ENDRIN	3.40 U	U			3.40 U	U			3.40 U	U
BETA ENDOSULFAN	3.40 U	U			3.40 U	U			3.40 U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.40 U	U			3.40 U	U			3.40 U	U
ENDOSULFAN SULFATE	3.40 U	U			3.40 U	U			3.40 U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.40 U	U			3.40 U	U			3.40 U	U
METHOXYCHLOR	17.00 U	U			18.00 U	U			18.00 U	U
ENDRIN KETONE	3.40 U	U			3.40 U	U			3.40 U	U
ENDRIN ALDEHYDE	3.40 U	U			3.40 U	U			3.40 U	U
ALPHA-CHLORDANE	1.70 U	U			1.80 U	U			1.80 U	U
GAMMA-CHLORDANE	1.70 U	U			1.80 U	U			1.80 U	U
TOXAPHENE	170.00 U	U			180.00 U	U			180.00 U	U
PCB-1016 (AROCHLOR 1016)	34.00 U	U			34.00 U	U			34.00 U	U
PCB-1221 (AROCHLOR 1221)	68.00 U	U			69.00 U	U			69.00 U	U
PCB-1232 (AROCHLOR 1232)	34.00 U	U			34.00 U	U			34.00 U	U
PCB-1242 (AROCHLOR 1242)	34.00 U	U			34.00 U	U			34.00 U	U
PCB-1248 (AROCHLOR 1248)	34.00 U	U			34.00 U	U			34.00 U	U
PCB-1254 (AROCHLOR 1254)	34.00 U	U			34.00 U	U			34.00 U	U
PCB-1260 (AROCHLOR 1260)	34.00 U	U			34.00 U	U			34.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S11DLA	S11DMA	S11DNA	S11DOA	S12DAA
OGDEN ID	S11DLA	S11DMA	S11DNA	S11DOA	S12DAA
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/5/97
Depth	100.00	110.00	120.00	130.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	LAB QUAL	REV QUAL
8151 (UG/KG)					
DALAPON	260.00 U	R	*4	280.00 U	R
DICAMBA	4.80 U	U		5.00 U	U
MCPP	4800.00 U	U		5000.00 U	U
MCPA	4800.00 U	U		5000.00 U	U
DICHLOROPROP	48.00 U	U		50.00 U	U
2,4-D (DICHLOROPHENOXYAC	48.00 U	U		50.00 U	U
SILVEX (2,4,5-TP)	4.90 U	U		5.10 U	U
2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U		5.10 U	U
DINoseb	24.00 U	R	*4	26.00 U	R
2,4 DB	49.00 U	U		51.00 U	U
PENTACHLOROPHENOL	17.00 U	U	*4	18.00 U	U
PICLORAM	4.90 U	U	C,*4	5.10 U	U
3,5-DICHLOROBENZOIC ACID	48.00 U	U		50.00 U	U
CHLORAMBN	51.00 U	U	*4	53.00 U	U
BENTAZON	100.00 U	U		110.00 U	U
ACIFLUOREN	51.00 U	R	*4	53.00 U	R
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	1.70 U	U		1.80 U	U
BETA BHC (BETA HEXACHLOR	1.70 U	U		1.80 U	U
DELTA BHC (DELTA HEXACHL	1.70 U	U		1.80 U	U
GAMMA BHC (LINDANE)	1.70 U	U		1.80 U	U
HEPTACHLOR	1.70 U	U		1.80 U	U
ALDRIN	1.70 U	U		1.80 U	U
HEPTACHLOR EPOXIDE	1.70 U	U		1.80 U	U
ALPHA ENDOSULFAN	1.70 U	U		1.80 U	U

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T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S11DLA	S11DMA	S11DNA	S11DOA	S12DAA
OGDEN ID	S11DLA	S11DMA	S11DNA	S11DOA	S12DAA
Date Sampled	8/11/97	8/11/97	8/11/97	8/11/97	8/5/97
Depth	100.00	110.00	120.00	130.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31P (UG/KG) Continued					
DIELDRIN	3.40 U	U	U	3.80 U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.80 U	U
ENDRIN	3.40 U	U	U	3.80 U	U
BETA ENDOSULFAN	3.40 U	U	U	3.80 U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.80 U	U
ENDOSULFAN SULFATE	3.40 U	U	U	3.80 U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.80 U	U
METHOXYCHLOR	17.00 U	U	U	20.00 U	U
ENDRIN KETONE	3.40 U	U	U	3.80 U	U
ENDRIN ALDEHYDE	3.40 U	U	U	3.80 U	U
ALPHA-CHLORDANE	1.70 U	U	U	2.00 U	U
GAMMA-CHLORDANE	1.70 U	U	U	2.00 U	U
TOXAPHENE	170.00 U	U	U	200.00 U	U
PCB-1016 (AROCHELOR 1016)	34.00 U	U	U	38.00 U	U
PCB-1221 (AROCHELOR 1221)	68.00 U	U	U	77.00 U	U
PCB-1232 (AROCHELOR 1232)	34.00 U	U	U	38.00 U	U
PCB-1242 (AROCHELOR 1242)	34.00 U	U	U	38.00 U	U
PCB-1248 (AROCHELOR 1248)	34.00 U	U	U	38.00 U	U
PCB-1254 (AROCHELOR 1254)	34.00 U	U	U	38.00 U	U
PCB-1260 (AROCHELOR 1260)	34.00 U	U	U	38.00 U	U

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T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S12DCA	S14DAA	S14DAD	S14DCA	S15DAA				
OGDEN ID	S12DCA	S14DAA	S14DAD	S14DCA	S15DAA				
Date Sampled	8/6/97	7/29/97	7/29/97	7/21/97	8/21/97				
Depth	10.00	0.00	0.00	10.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8151 (UG/KG)									
DALAPON	270.00 U	U	U	310.00 U	U	U	260.00 U	U	U
DICAMBA	4.80 U	U	U	5.70 U	U	U	4.80 U	U	U
MCP	4800.00 U	U	U	5700.00 U	U	U	4800.00 U	U	U
MCPA	4800.00 U	U	C	5700.00 U	U	C	4800.00 U	U	C
DICHLOROPROP	48.00 U	U	U	57.00 U	U	U	48.00 U	U	U
2,4-D (DICHLOROPHENOXYAC	48.00 U	U	U	57.00 U	U	U	48.00 U	U	U
SIL VEX (2,4,5-TP)	4.90 U	U	U	5.80 U	U	U	4.90 U	U	U
2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U	U	5.80 U	U	U	4.90 U	U	U
DINOSEB	25.00 U	R	*4,Q	29.00 U	R	*4	24.00 U	R	*4
2,4 DB	49.00 U	U	U	58.00 U	U	U	49.00 U	U	U
PENTACHLOROPHENOL	18.00 U	U	Q,*4	20.00 U	U	U	17.00 U	U	U
PICLORAM	4.90 U	U	C	5.80 U	U	U	4.90 U	U	U
3,5-DICHLOROBENZOIC ACID	48.00 U	U	U	57.00 U	U	U	48.00 U	U	U
CHLORAM	52.00 U	U	C	60.00 U	U	U	51.00 U	U	U
BENTAZON	100.00 U	U	U	120.00 U	U	U	100.00 U	U	U
ACIFLUORFEN	52.00 U	R	Q,*4	60.00 U	R	*4	51.00 U	R	*4
OM31P (UG/KG)									
ALPHA BHC (ALPHA HEXACHL	16.00 B	U	B	2.00 U	U	U	1.70 U	U	U
BETA BHC (BETA HEXACHLOR	2.30	U	B	2.00 U	U	U	1.70 U	U	U
DELTA BHC (DELTA HEXACHL	1.70 J	U	B	2.00 U	U	U	1.70 U	U	U
GAMMA BHC (LINDANE)	3.40 B	U	B	2.00 U	U	U	1.70 U	U	U
HEPTACHLOR	1.70 U	U	U	2.00 U	U	U	1.70 U	U	U
ALDRIN	1.70 U	U	U	2.00 U	U	U	1.70 U	U	U
HEPTACHLOR EPOXIDE	1.70 U	U	U	2.00 U	U	U	1.70 U	U	U
ALPHA ENDOSULFAN	1.70 U	U	U	2.00 U	U	U	1.70 U	U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S12DCA	S14DAA	S14DAD	S14DCA	S15DAA
OGDEN ID	S12DCA	S14DAA	S14DAD	S14DCA	S15DAA
Date Sampled	8/6/97	7/29/97	7/29/97	7/21/97	8/21/97
Depth	10.00	0.00	0.00	10.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OM31P (UG/KG) Continued					
DIELDRIN	3.40 U	U	U	3.40 U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.40 U	U
ENDRIN	3.40 U	U	U	3.40 U	U
BETA ENDOSULFAN	3.40 U	U	U	3.40 U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.40 U	U
ENDOSULFAN SULFATE	3.40 U	U	U	3.40 U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.40 U	U	U	3.40 U	U
METHOXYCHLOR	17.00 U	U	U	17.00 U	U
ENDRIN KETONE	3.40 U	U	U	3.40 U	U
ENDRIN ALDEHYDE	3.40 U	U	U	3.40 U	U
ALPHA-CHLORDANE	1.70 U	U	U	1.70 U	U
GAMMA-CHLORDANE	1.70 U	U	U	1.70 U	U
TOXAPHENE	170.00 U	U	U	170.00 U	U
PCB-1016 (AROCILOR 1016)	34.00 U	U	U	34.00 U	U
PCB-1221 (AROCILOR 1221)	69.00 U	U	U	68.00 U	U
PCB-1232 (AROCILOR 1232)	34.00 U	U	U	34.00 U	U
PCB-1242 (AROCILOR 1242)	34.00 U	U	U	34.00 U	U
PCB-1248 (AROCILOR 1248)	34.00 U	U	U	34.00 U	U
PCB-1254 (AROCILOR 1254)	34.00 U	U	U	34.00 U	U
PCB-1260 (AROCILOR 1260)	34.00 U	U	U	34.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S15DAD	S15DCA	S16DAA	S16DAD	S16DCA
OGDEN ID	S15DAD	S15DCA	S16DAA	S16DAD	S16DCA
Date Sampled	8/21/97	8/28/97	8/20/97	8/20/97	8/13/97
Depth	0.00	10.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8151 (UG/KG)					
DALAPON	280.00 U	U	U	290.00 U	U
DICAMBA	5.20 U	U	U	5.20 U	U
MCP	5200.00 U	U	U	5200.00 U	U
MCPA	6100.00 P	NJ	U	5200.00 U	U
DICHLOROPROP	52.00 U	U	U	52.00 U	U
2,4-D (DICHLOROPHENOXAC	52.00 U	U	U	52.00 U	U
SIL VEX (2,4,5-TP)	5.30 U	U	U	5.30 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.30 U	U	U	5.30 U	U
DINOSEB	26.00 U	R	U	27.00 U	U
2,4 DB	53.00 U	U	U	53.00 U	U
PENTACHLOROPHENOL	19.00 U	U	U	19.00 U	U
PICLORAM	5.30 U	U	U	5.30 U	U
3,5-DICHLOROBENZOIC ACID	39.00 JP	NJ	U	52.00 U	U
CHLORAMBN	55.00 U	U	U	56.00 U	U
BENTAZON	110.00 U	U	U	110.00 U	U
ACIFLUORFEN	55.00 U	R	U	56.00 U	U
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	1.90 U	U	U	1.90 U	U
BETA BHC (BETA HEXACHLOR	1.90 U	U	U	1.90 U	U
DELTA BHC (DELTA HEXACHL	1.90 U	U	U	1.90 U	U
GAMMA BHC (LINDANE)	1.90 U	U	U	1.90 U	U
HEPTACHLOR	1.90 U	U	U	1.90 U	U
ALDRIN	1.90 U	U	U	1.90 U	U
HEPTACHLOR EPOXIDE	1.90 U	U	U	1.90 U	U
ALPHA ENDOSULFAN	1.90 U	U	U	1.90 U	U

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Validated MMR Data for SDGs 1-17, 28-30

Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S15DAD	S15DCA	S16DAA	S16DAD	S16DCA
OGDEN ID	S15DAD	S15DCA	S16DAA	S16DAD	S16DCA
Date Sampled	8/21/97	8/28/97	8/20/97	8/20/97	8/13/97
Depth	0.00	10.00	0.00	0.00	10.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31P (UG/KG) Continued					
DIELDRIN	3.60 U	U	U	3.70 U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.60 U	U	U	3.70 U	U
ENDRIN	3.60 U	U	U	3.70 U	U
BETA ENDOSULFAN	3.60 U	U	U	3.70 U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.60 U	U	U	3.70 U	U
ENDOSULFAN SULFATE	3.60 U	U	U	3.70 U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.60 U	U	U	3.70 U	U
METHOXYCHLOR	19.00 U	UJ	UJ	19.00 U	UJ
ENDRIN KETONE	3.60 U	U	U	3.70 U	U
ENDRIN ALDEHYDE	3.60 U	U	U	3.70 U	U
ALPHA-CHLORDANE	1.90 U	U	U	1.90 U	U
GAMMA-CHLORDANE	1.90 U	U	U	1.90 U	U
TOXAPHENE	190.00 U	U	U	190.00 U	U
PCB-1016 (AROCHLOR 1016)	36.00 U	U	U	37.00 U	U
PCB-1221 (AROCHLOR 1221)	74.00 U	U	U	74.00 U	U
PCB-1232 (AROCHLOR 1232)	36.00 U	U	U	37.00 U	U
PCB-1242 (AROCHLOR 1242)	36.00 U	U	U	37.00 U	U
PCB-1248 (AROCHLOR 1248)	36.00 U	U	U	37.00 U	U
PCB-1254 (AROCHLOR 1254)	36.00 U	U	U	37.00 U	U
PCB-1260 (AROCHLOR 1260)	36.00 U	U	U	37.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S17DAA	S17DBA	S17DCA	S19DAA	S19DAD								
OGDEN ID	S17DAA	S17DBA	S17DCA	S19DAA	S19DAD								
Date Sampled	8/12/97	8/12/97	8/12/97	8/21/97	8/21/97								
Depth	0.00	1.50	10.00	0.00	0.00								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE			
8151 (UG/KG)													
	DALAPON	290.00 U	R	*4	270.00 U	R	*4	290.00 U	U		300.00 U	U	
	DICAMBA	5.20 U	U		4.90 U	U		4.80 U	U		5.30 U	U	
	MCPP	5200.00 U	U		4900.00 U	U		4800.00 U	U		5300.00 U	U	
	MCPA	5200.00 U	U		4900.00 U	U		4800.00 U	U		5300.00 U	U	
	DICHLOROPROP	52.00 U	U		49.00 U	U		48.00 U	U		53.00 U	UJ	C
	2,4-D (DICHLOROPHENOXYAC	52.00 U	U		49.00 U	U		48.00 U	U		53.00 U	UJ	C
	SILVEX (2,4,5-TP)	5.30 U	U		5.00 U	U		4.90 U	U		5.40 U	UJ	C
	2,4,5-T (TRICHLOROPHENOXYA	5.30 U	U		5.00 U	U		4.90 U	U		5.40 U	UJ	C
	DINOSEB	27.00 U	R	*4	25.00 U	R	*4	25.00 U	R	*4	27.00 U	R	*4
OM31P (UG/KG)	2,4 DB	53.00 U	U	*9	56.00 P	J	*9	49.00 U	U		54.00 U	UJ	C
	PENTACHLOROPHENOL	19.00 U	UJ	*4	18.00 U	UJ	*4	18.00 U	UJ	*9	6.30 J	J	
	PICLORAM	5.30 U	UJ	C,*4	5.00 U	UJ	C,*4	4.90 U	UJ	C,*4	5.40 U	U	
	3,5-DICHLOROBENZOIC ACID	52.00 U	U		49.00 U	U		48.00 U	U		53.00 U	UJ	C
	CHLORAMBN	56.00 U	UJ	C,*4	53.00 U	UJ	C,*4	52.00 U	UJ	C,*4	56.00 U	U	
	BENTAZON	110.00 U	UJ	C	100.00 U	UJ	C	100.00 U	UJ	C	110.00 U	U	
	ACIFLUORFEN	56.00 U	R	*4	53.00 U	R	*4	52.00 U	R	*4	56.00 U	R	*4
	ALPHA BHC (ALPHA HEXACHL	1.90 U	U		1.80 U	U		1.80 U	U		2.90 P	J	*11
	BETA BHC (BETA HEXACHLOR	1.90 U	U		1.80 U	U		1.80	J	*4	1.90 U	U	
	DELTA BHC (DELTA HEXACHL	1.90 U	U		1.80 U	U		1.80 U	U		1.90 U	U	
GAMMA BHC (LINDANE)	1.90 U	U		1.80 U	U		1.80 U	U		2.40			
HEPTACHLOR	1.90 U	U		1.80 U	U		1.80 U	U		1.90 U	U		
ALDRIN	1.90 U	U		1.80 U	U		1.80 U	U		1.90 U	U		
HEPTACILOR EPOXIDE	1.90 U	U		1.80 U	U		1.80 U	U		1.20 JP	J	*11	
ALPHA ENDOSULFAN	1.90 U	U		1.80 U	U		1.80 U	U		2.40 P	J	*11	

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S17DAA	S17DBA	S17DCA	S19DAA	S19DAD				
OGDEN ID	S17DAA	S17DBA	S17DCA	S19DAA	S19DAD				
Date Sampled	8/12/97	8/12/97	8/12/97	8/21/97	8/21/97				
Depth	0.00	1.50	10.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31P (UG/KG) Continued									
DIELDRIN	3.70 U	U	U	3.40 U	U	U	3.70 U	U	J
DDE (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
ENDRIN	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
BETA ENDOSULFAN	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
ENDOSULFAN SULFATE	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
METHOXYCHLOR	19.00 U	U	U	18.00 U	U	U	19.00 U	UJ	C
ENDRIN KETONE	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
ENDRIN ALDEHYDE	3.70 U	U	U	3.40 U	U	U	3.70 U	U	U
ALPHA-CHLORDANE	1.90 U	U	U	1.80 U	U	U	1.90 U	U	U
GAMMA-CHLORDANE	1.90 U	U	U	1.80 U	U	U	1.90 U	U	U
TOXAPHENE	190.00 U	U	U	180.00 U	U	U	190.00 U	U	U
PCB-1016 (AROCHLOR 1016)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U
PCB-1221 (AROCHLOR 1221)	74.00 U	U	U	70.00 U	U	U	75.00 U	U	U
PCB-1232 (AROCHLOR 1232)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U
PCB-1242 (AROCHLOR 1242)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U
PCB-1248 (AROCHLOR 1248)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U
PCB-1254 (AROCHLOR 1254)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U
PCB-1260 (AROCHLOR 1260)	37.00 U	U	U	35.00 U	U	U	37.00 U	U	U

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Validated MMR Data for SDGs 1-17, 28-30

Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S19DCA	S23DFA	S23DIA	S25DAA	S25DAD		
OGDEN ID	S19DCA	S23DFA	S23DIA	S25DAA	S25DAD		
Date Sampled	10/23/97	7/21/97	7/21/97	8/21/97	8/21/97		
Depth	10.00	40.00	70.00	0.00	0.00		
Method Analyte	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB REV QUAL	QUAL CODE	
8151 (UG/KG)							
	DALAPON	270.00 U	U		270.00 U	U	
	DICAMBA	4.80 U	U		4.90 U	U	
	MCP	4800.00 U	UJ C		4900.00 U	UJ C	
	MCPA	4800.00 U	UJ C		4900.00 U	UJ C	
	DICHLOROPROP	48.00 U	U		49.00 U	U	
	2,4-D (DICHLOROPHENOXYAC	48.00 U	U		49.00 U	U	
	SILVEX (2,4,5-TP)	4.90 U	U		5.00 U	U	
	2,4,5-T (TRICHLOROPHENOXYA	4.90 U	UJ C		5.00 U	U	
	DINOSEB	25.00 U	R *4		25.00 U	R *4	
OM31P (UG/KG)							
	2,4 DB	49.00 U	UJ C		50.00 U	UJ C	
	PENTACHLOROPHENOL	18.00 U	R *4		18.00 U	U	
	PICLORAM	4.90 U	UJ C		5.00 U	U	
	3,5-DICHLOROBENZOIC ACID	48.00 U	U		49.00 U	UJ C	
	CHLORAMBEN	39.00 U	UJ C		53.00 U	U	
	BENTAZON	100.00 U	U		100.00 U	U	
	ACIFLUORFEN	39.00 U	R *4		53.00 U	R *4	
	ALPHA BHC (ALPHA HEXACHL	1.80 U	U		1.80 U	U	
	BETA BHC (BETA HEXACHLOR	1.80 U	U		1.80 U	U	
DELTA BHC (DELTA HEXACHIL	1.80 U	U		1.80 U	U		
GAMMA BHC (LINDANE)	1.80 U	U		1.80 U	U		
HEPTACHLOR	1.80 U	U		1.80 U	U		
ALDRIN	1.80 U	U		1.80 U	U		
HEPTACHLOR EPOXIDE	1.80 U	U		1.80 U	U		
ALPHA ENDOSULFAN	1.80 U	U		1.80 U	U		

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S19DCA	S23DFA	S23DIA	S25DAA	S25DAJ
OGDEN ID	S19DCA	S23DFA	S23DIA	S25DAA	S25DAJ
Date Sampled	10/23/97	7/21/97	7/21/97	8/21/97	8/21/97
Depth	10.00	40.00	70.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31P (UG/KG) Continued					
DELDRI	3.40 U	U	U	5.90 U	U
DDE (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	5.90 U	U
ENDRI	3.40 U	U	U	5.90 U	U
BETA ENDOSULFAN	3.40 U	U	U	5.90 U	U
DDD (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	5.90 U	U
ENDOSULFAN SULFATE	3.40 U	U	U	5.90 U	U
DDT (1,1-BIS(CHLOROPHENYL)	3.40 U	U	U	5.90 U	U
METHOXYCHLOR	18.00 U	U	U	4.00 J	J
ENDRI	3.40 U	U	U	30.00 U	UJ
ENDRI KETONE	3.40 U	U	U	5.90 U	U
ENDRI ALDEHYDE	3.40 U	U	U	5.90 U	U
ALPHA-CHLORDANE	1.80 U	U	U	3.00 U	U
GAMMA-CHLORDANE	1.80 U	U	U	3.00 U	U
TOXAPHENE	180.00 U	U	U	300.00 U	U
PCB-1016 (AROCHELOR 1016)	34.00 U	U	U	59.00 U	U
PCB-1221 (AROCHELOR 1221)	69.00 U	U	U	120.00 U	U
PCB-1232 (AROCHELOR 1232)	34.00 U	U	U	59.00 U	U
PCB-1242 (AROCHELOR 1242)	34.00 U	U	U	59.00 U	U
PCB-1248 (AROCHELOR 1248)	34.00 U	U	U	59.00 U	U
PCB-1254 (AROCHELOR 1254)	34.00 U	U	U	59.00 U	U
PCB-1260 (AROCHELOR 1260)	34.00 U	U	U	59.00 U	U

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S26DAA	S26DAD	S27DAA	S27DAD	S28DAA
OGDEN ID	S26DAA	S26DAD	S27DAA	S27DAD	S28DAA
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97
Depth	0.00	0.00	0.00	0.00	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8151 (UG/KG)					
DALAPON	310.00 U	U	U	310.00 U	U
DICAMBA	5.60 U	U	U	5.70 U	U
MCPP	5600.00 U	U	U	5700.00 U	U
MCPA	5600.00 U	U	U	5700.00 U	U
DICHLOROPROP	56.00 U	U	U	57.00 U	U
2,4-D (DICHLOROPHENOXYAC	56.00 U	U	U	57.00 U	U
SILVEX (2,4,5-TP)	5.70 U	U	U	5.80 U	U
2,4,5-T (TRICHLOROPHENOXYA	5.70 U	U	U	5.80 U	U
DINoseb	28.00 U	U	U	29.00 U	U
2,4 DB	57.00 U	U	U	58.00 U	U
PENTACHLOROPHENOL	20.00 U	U	U	20.00 U	U
PICLORAM	5.70 U	U	U	5.80 U	U
3,5-DICHLOROBENZOIC ACID	56.00 U	U	U	57.00 U	U
CHLORAMBEN	60.00 U	U	U	60.00 U	U
BENTAZON	120.00 U	U	U	120.00 U	U
ACIFLUORFEN	60.00 U	U	U	60.00 U	U
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	2.00 U	U	U	2.00 U	U
BETA BHC (BETA HEXACHLOR	2.00 U	U	U	2.00 U	U
DELTA BHC (DELTA HEXACHL	2.00 U	U	U	2.00 U	U
GAMMA BHC (LINDANE)	2.00 U	U	U	2.00 U	U
HEPTACHLOR	2.00 U	U	U	2.00 U	U
ALDRIN	2.00 U	U	U	2.00 U	U
HEPTACHLOR EPOXIDE	2.00 U	U	U	2.00 U	U
ALPHA ENDOSULFAN	2.00 U	U	U	2.00 U	U

T:\MMR\VSNAPO9\FR\GROUP1.DB (6308 of 6308 records) 02/09/98 18:46.3 read by RGSCHOTTLE

T:\MMR\VSNAPO9\FR\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S26DAA	S26DAD	S27DAA	S27DAD	S28DAA				
OGDEN ID	S26DAA	S26DAD	S27DAA	S27DAD	S28DAA				
Date Sampled	8/20/97	8/20/97	8/20/97	8/20/97	7/29/97				
Depth	0.00	0.00	0.00	0.00	0.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31P (UG/KG) Continued									
DIELDRIN	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
ENDRIN	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
BETA ENDOSULFAN	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
ENDOSULFAN SULFATE	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.90 U	U	J	4.00 U	U	U	4.00 U	U	U
METHOXYCHLOR	20.00 U	UJ	C	21.00 U	UJ	C	20.00 U	UJ	C
ENDRIN KETONE	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
ENDRIN ALDEHYDE	3.90 U	U	U	4.00 U	U	U	4.00 U	U	U
ALPHA-CHLORDANE	2.00 U	U	U	2.10 U	U	U	2.00 U	U	U
GAMMA-CHLORDANE	2.00 U	U	U	2.10 U	U	U	2.00 U	U	U
TOXAPHENE	200.00 U	U	U	210.00 U	U	U	200.00 U	U	U
PCB-1016 (AROCHLOR 1016)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U
PCB-1221 (AROCHLOR 1221)	80.00 U	U	U	82.00 U	U	U	81.00 U	U	U
PCB-1232 (AROCHLOR 1232)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U
PCB-1242 (AROCHLOR 1242)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U
PCB-1248 (AROCHLOR 1248)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U
PCB-1254 (AROCHLOR 1254)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U
PCB-1260 (AROCHLOR 1260)	39.00 U	U	U	40.00 U	U	U	40.00 U	U	U

T:\MMR\VSNA9\FB\GROUP1.DB (6308 of 6308 records) 02/09/98 18:46.3 read by RGSCHELTJE

T:\MMR\VSNA9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S28DCA	S28DGA	S28DIA	S28DLA								
OGDEN ID	S28DCA	S28DGA	S28DIA	S28DLA								
Date Sampled	7/28/97	7/29/97	7/29/97	7/29/97								
Depth	10.00	50.00	60.00	80.00								
100.00												
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/KG)												
DALAPON	270.00 U	UJ C			260.00 U	U			270.00 U	U		
DICAMBA	4.80 U	U			4.80 U	U			4.90 U	U		
MCP	4800.00 U	U			4800.00 U	U			4900.00 U	U		
MCPA	4800.00 U	UJ C			4800.00 U	UJ C			4900.00 U	UJ C		
DICHLOROPROP	48.00 U	U			48.00 U	U			49.00 U	U		
2,4-D (DICHLOROPHENOXYAC	48.00 U	U			48.00 U	U			49.00 U	U		
SILVEX (2,4,5-TP)	4.90 U	U			4.90 U	U			5.00 U	U		
2,4,5-T (TRICHLOROPHENOXYA	4.90 U	U			4.90 U	U			5.00 U	U		
DINOSEB	25.00 U	R	*4		24.00 U	R	*4		25.00 U	R	*4	
2,4 DB	49.00 U	U			49.00 U	U			50.00 U	U		
PENTACHLOROPHENOL	18.00 U	U			17.00 U	U			18.00 U	U		
PICLORAM	4.90 U	U			4.90 U	U			5.00 U	U		
3,5-DICHLOROBENZOIC ACID	48.00 U	UJ C			48.00 U	U			49.00 U	U		
CHLORAMBEN	52.00 U	U			51.00 U	U			52.00 U	U		
BENTAZON	100.00 U	U			100.00 U	U			100.00 U	U		
ACIFLUORFEN	52.00 U	R	*4		51.00 U	R	*4		52.00 U	R	*4	
OM31P (UG/KG)												
ALPHA BHC (ALPHA HEXACHL	1.80 U	U										
BETA BHC (BETA HEXACHLOR	1.80 U	U										
DELTA BHC (DELTA HEXACHL	1.80 U	U										
GAMMA BHC (LINDANE)	1.80 U	U										
HEPTACHLOR	1.80 U	U										
ALDRIN	1.80 U	U										
HEPTACHLOR EPOXIDE	1.80 U	U										
ALPHA ENDOSULFAN	1.80 U	U										

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T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S28DCA	S28DGA	S28DHA	S28DJA	S28DLA							
OGDEN ID	S28DCA				S28DLA							
Date Sampled	7/28/97				7/29/97							
Depth	10.00				100.00							
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31P (UG/KG) Continued												
DIELDRIN	3.40 U	U								3.90 U	U	U
DDE (1,1-BIS(CHLOROPHENYL))	3.40 U	U								3.90 U	U	U
ENDRIN	3.40 U	U								3.90 U	U	U
BETA ENDOSULFAN	3.40 U	U								3.90 U	U	U
DDD (1,1-BIS(CHLOROPHENYL))	3.40 U	U								3.90 U	U	U
ENDOSULFAN SULFATE	3.40 U	U								3.90 U	U	U
DDT (1,1-BIS(CHLOROPHENYL))	3.40 U	U								3.90 U	U	U
METHOXYCHLOR	18.00 U	UJ	C							20.00 U	UJ	C
ENDRIN KETONE	3.40 U	U								3.90 U	U	U
ENDRIN ALDEHYDE	3.40 U	U								3.90 U	U	U
ALPHA-CHLORDANE	1.80 U	U								2.00 U	U	U
GAMMA-CHLORDANE	1.80 U	U								2.00 U	U	U
TOXAPHENE	180.00 U	U								200.00 U	U	U
PCB-1016 (AROCHLOR 1016)	34.00 U	U								39.00 U	U	U
PCB-1221 (AROCHLOR 1221)	69.00 U	U								79.00 U	U	U
PCB-1232 (AROCHLOR 1232)	34.00 U	U								39.00 U	U	U
PCB-1242 (AROCHLOR 1242)	34.00 U	U								39.00 U	U	U
PCB-1248 (AROCHLOR 1248)	34.00 U	U								39.00 U	U	U
PCB-1254 (AROCHLOR 1254)	34.00 U	U								39.00 U	U	U
PCB-1260 (AROCHLOR 1260)	34.00 U	U								39.00 U	U	U

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T:\MMR\VS\SNAP9\FB\VCOC\DB (1434 records) 02/08/98 13:04:3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S29DAA	S29DCA	S29DFA	S30DCA	?
OGDEN ID	S29DAA	S29DCA	S29DFA	S30DCA	
Date Sampled	7/31/97	7/31/97	7/31/97	10/27/97	
Depth	0.00	10.00	40.00	10.00	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8151 (UG/KG)					
DALAPON	290.00 U	U	U	270.00 U	R S
DICAMBA	5.30 U	U	U	4.80 U	R S
MCP	5300.00 U	U	U	4800.00 U	R S
MCPA	5300.00 U	U	U	4800.00 U	R S
DICHLOROPROP	53.00 U	U	U	48.00 U	R S
2,4-D (DICHLOROPHENOXYAC	53.00 U	U	U	48.00 U	R S
SILVEX (2,4,5-TP)	5.40 U	U	U	4.90 U	R S
2,4,5-T (TRICHLOROPHENOXYA	5.40 U	U	U	4.90 U	R S
DINOSEB	27.00 U	R	R	25.00 U	R S
2,4 DB	54.00 U	U	U	49.00 U	R S
PENTACHLOROPHENOL	19.00 U	U	U	18.00 U	R S
PICLORAM	5.40 U	U	U	4.90 U	R S
3,5-DICHLOROBENZOIC ACID	53.00 U	U	U	48.00 U	R S
CHLORAMBN	56.00 U	U	U	39.00 U	R S
BENTAZON	110.00 U	U	U	100.00 U	R S
ACIFLUORFEN	56.00 U	R	R	39.00 U	R S
OM31P (UG/KG)					
ALPHA BHC (ALPHA HEXACHL	1.90 U	U	U	1.80 U	B,H
BETA BHC (BETA HEXACHLOR	1.90 U	U	U	1.80 U	B,H
DELTA BHC (DELTA HEXACHL	1.90 U	U	U	1.80 U	H
GAMMA BHC (LINDANE)	1.90 U	U	U	1.80 U	H
HEPTACHLOR	1.90 U	U	U	1.80 U	H
ALDRIN	1.90 U	U	U	1.80 U	H
HEPTACHLOR EPOXIDE	1.90 U	U	U	1.80 U	H
ALPHA ENDOSULFAN	1.90 U	U	U	1.80 U	H

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T:\MMR\VSNA\9\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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Group I: Soil Data for Methods 8151 and OM31P

EPA NO	S29DAA	S29DCA	S29DFA	S30DCA	?				
OGDEN ID	S29DAA	S29DCA	S29DFA	S30DCA					
Date Sampled	7/31/97	7/31/97	7/31/97	10/27/97					
Depth	0.00	10.00	40.00	10.00					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31P (UG/KG) Continued									
DIELDRIN	3.70 U	U		3.40 U	U		3.40 U	U	H
DDE (1,1-BIS(CHLOROPHENYL))	3.70 U	U		3.40 U	U		3.40 U	U	H
ENDRIN	3.70 U	U		3.40 U	U		3.40 U	U	H
BETA ENDOSULFAN	3.70 U	U		3.40 U	U		3.40 U	U	H
DDD (1,1-BIS(CHLOROPHENYL))	3.70 U	U		3.40 U	U		3.40 U	U	H
ENDOSULFAN SULFATE	3.70 U	U		3.40 U	U		3.40 U	U	H
DDT (1,1-BIS(CHLOROPHENYL))	3.70 U	U		3.40 U	U		3.40 U	U	H
METHOXYCHLOR	19.00 U	U	C	17.00 U	U	C	18.00 U	U	H
ENDRIN KETONE	3.70 U	U		3.40 U	U		3.40 U	U	H
ENDRIN ALDEHYDE	3.70 U	U		3.40 U	U		3.40 U	U	H
ALPHA-CHLORDANE	1.90 U	U		1.70 U	U		1.80 U	U	H
GAMMA-CHLORDANE	1.90 U	U		1.70 U	U		1.80 U	U	H
TOXAPHENE	190.00 U	U		170.00 U	U		180.00 U	U	H
PCB-1016 (AROCHLOR 1016)	37.00 U	U		34.00 U	U		34.00 U	U	H
PCB-1221 (AROCHLOR 1221)	75.00 U	U		68.00 U	U		69.00 U	U	H
PCB-1232 (AROCHLOR 1232)	37.00 U	U		34.00 U	U		34.00 U	U	H
PCB-1242 (AROCHLOR 1242)	37.00 U	U		34.00 U	U		34.00 U	U	H
PCB-1248 (AROCHLOR 1248)	37.00 U	U		34.00 U	U		34.00 U	U	H
PCB-1254 (AROCHLOR 1254)	37.00 U	U		34.00 U	U		34.00 U	U	H
PCB-1260 (AROCHLOR 1260)	37.00 U	U		34.00 U	U		34.00 U	U	H

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	B03OAE	G00DAA	S01DFE	S02DAE	S04DAE				
OGDEN ID	B03OAE	G00DAA	S01DFE	S02DAE	S04DAE				
Date Sampled	9/10/97	8/27/97	8/21/97	8/20/97	8/13/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8151 (UG/L)									
DALAPON	2.40 U	U	UJ	2.30 U	U	U	2.30 U	U	U
	0.1000 U	U	U	0.0900 U	U	U	0.0900 U	U	U
	98.0 U	U	U	94.0 U	U	U	94.0 U	U	U
	97.0 U	U	U	93.0 U	U	U	93.0 U	U	U
	0.9800 U	U	U	0.9400 U	U	U	0.9400 U	U	U
	0.9800 U	U	U	0.9400 U	U	U	0.9400 U	U	U
	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
	1.00 U	U	U	0.9800 U	U	U	0.9800 U	U	U
	0.9900 U	U	U	0.9500 U	U	U	0.9500 U	U	U
2,4 DB	0.2500 U	U	J	0.2400 U	U	U	0.2400 U	U	U
	0.2900 U	U	U	0.2800 U	U	U	0.2800 U	U	U
	0.9800 U	U	U	0.9400 U	U	U	0.9400 U	U	U
	1.00 U	U	UJ	1.00 U	U	U	1.00 U	U	U
	2.10 U	U	U	2.00 U	U	U	2.00 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
PENTACHLOROPHENOL	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
3,5-DICHLOROBENZOIC ACID									
CHLORAMBN									
BENTAZON									
ACIFLUORFEN									
OL21P (UG/L)									
ALPHA BHC (ALPHA HEXACHLO	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	R	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
BETA BHC (BETA HEXACHLORO									
DELTA BHC (DELTA HEXACHLO									
GAMMA BHC (LINDANE)									
HEPTACHLOR									
ALDRIN									
HEPTACHLOR EPOXIDE									
ALPHA ENDOSULFAN									

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T:\MMR\VSNA\97\FB\VCOC.DB (1434 records) 02/08/98 13:04.3

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	B030AE	G00DAA	S01DFE	S02DAE	S04DAE
OGDEN ID	B030AE	G00DAA	S01DFE	S02DAE	S04DAE
Date Sampled	9/10/97	8/27/97	8/21/97	8/20/97	8/13/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OL21P (UG/L) Continued					
DIELDRIN	0.0200 U			0.0200 U	
DDE (1,1-BIS(CHLOROPHENYL)-	0.1000			0.0200 U	
ENDRIN	0.0200 U			0.0200 U	
BETA ENDOSULFAN	0.0200 U			0.0200 U	
DDD (1,1-BIS(CHLOROPHENYL)-	0.0200 U			0.0200 U	
ENDOSULFAN SULFATE	0.0200 U			0.0200 U	
DDT (1,1-BIS(CHLOROPHENYL)-	0.0200 U			0.0200 U	
METHOXYCHLOR	0.1000 U			0.1000 U	
ENDRIN KETONE	0.0200 U			0.0200 U	
ENDRIN ALDEHYDE	0.0200 U			0.0200 U	
ALPHA-CHLORDANE	0.0100 U			0.0100 U	
GAMMA-CHLORDANE	0.0100 U			0.0100 U	
TOXAPHENE	1.00 U			1.00 U	
PCB-1016 (AROCHLOR 1016)	0.2100 U			0.2000 U	
PCB-1221 (AROCHLOR 1221)	0.4100 U			0.4000 U	
PCB-1232 (AROCHLOR 1232)	0.2100 U			0.2000 U	
PCB-1242 (AROCHLOR 1242)	0.2100 U			0.2000 U	
PCB-1248 (AROCHLOR 1248)	0.2100 U			0.2000 U	
PCB-1254 (AROCHLOR 1254)	0.2100 U			0.2000 U	
PCB-1260 (AROCHLOR 1260)	0.2100 U			0.2000 U	

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T:\MMR\VS\NAP9\FB\VCOC\DB (1434 records) 02/08/98 13:04.3

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	S04DAF	S11DAE	S12DAE	S14DAEb	S14DDF
OGDEN ID	S04DAF	S11DAE	S12DAE	S14DAE	S14DDF
Date Sampled	8/13/97	8/8/97	8/5/97	7/29/97	7/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	QUAL CODE
8151 (UG/L)					
DALAPON	2.30 U	U	U	2.30 U	U
DICAMBA	0.1000 U	U	U	0.0900 U	U
MCP	96.0 U	U	U	94.0 U	U
MCPA	95.0 U	U	U	93.0 U	U
DICHLOROPROP	0.9600 U	U	U	0.9400 U	U
2,4-D (DICHLOROPHENOXYAC)	0.9600 U	U	U	0.9400 U	U
SILVEX (2,4,5-TP)	0.1000 U	U	U	0.1000 P	U
2,4,5-T (TRICHLOROPHENOXYAC)	0.1000 U	U	U	0.1000 U	U
DINOS	1.00 U	U	U	0.9800 U	U
2,4 DB	0.9700 U	U	U	0.9500 U	U
PENTACHLOROPHENOL	0.2400 U	U	U	0.2400 U	U
PICLORAM	0.2800 U	U	U	0.2800 U	U
3,5-DICHLOROBENZOIC ACID	0.9600 U	U	U	0.9400 U	U
CHLORAMBN	1.00 U	U	U	1.00 U	U
BENTAZON	2.00 U	U	U	2.00 U	U
ACFLUFEN	1.00 U	U	U	1.00 U	U
OL21P (UG/L)					
ALPHA BHC (ALPHA HEXACHLO	0.0100 P	J	*4	0.0100 U	U
BETA BHC (BETA HEXACHLO	0.0100 U	U	U	0.0100 U	U
DELTA BHC (DELTA HEXACHLO	0.0100 U	U	U	0.0100 U	U
GAMMA BHC (LINDANE)	0.0100 U	U	U	0.0100 U	U
HEPTACHLOR	0.0100 U	U	U	0.0100 U	U
ALDRIN	0.0100 U	U	U	0.0100 U	U
HEPTACHLOR EPOXIDE	0.0100 U	U	U	0.0100 U	U
ALPHA ENDOSULFAN	0.0100 U	U	U	0.0100 U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	S04DAF	S11DAE	S12DAE	S14DAEa	S14DDF
OGDEN ID	S04DAF	S11DAE	S12DAE	S14DAE	S14DDF
Date Sampled	8/13/97	8/8/97	8/5/97	7/29/97	7/22/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
OL21P (UG/L) Continued					
DELDIN	0.0200 U	U	U	0.0200 U	U
DDE (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U
ENDRIN	0.0200 U	U	U	0.0200 U	U
BETA ENDOSULFAN	0.0200 U	U	U	0.0200 U	U
DDD (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U
ENDOSULFAN SULFATE	0.0200 U	U	U	0.0200 U	U
DDT (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U
METHOXYCHLOR	0.1000 U	U	U	0.1000 U	U
ENDRIN KETONE	0.0200 U	U	U	0.0200 U	U
ENDRIN ALDEHYDE	0.0200 U	U	U	0.0200 U	U
ALPHA-CHLORDANE	0.0100 U	U	U	0.0100 U	U
GAMMA-CHLORDANE	0.0100 U	U	U	0.0100 U	U
TOXAPHENE	1.00 U	U	U	1.00 U	U
PCB-1016 (AROCHLOR 1016)	0.2000 U	U	U	0.2000 U	U
PCB-1221 (AROCHLOR 1221)	0.4000 U	U	U	0.4000 U	U
PCB-1232 (AROCHLOR 1232)	0.2000 U	U	U	0.2000 U	U
PCB-1242 (AROCHLOR 1242)	0.2000 U	U	U	0.2000 U	U
PCB-1248 (AROCHLOR 1248)	0.2000 U	U	U	0.2000 U	U
PCB-1254 (AROCHLOR 1254)	0.2000 U	U	U	0.2000 U	U
PCB-1260 (AROCHLOR 1260)	0.2000 U	U	U	0.2000 U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
OGDEN ID	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
Date Sampled	8/12/97	7/28/97	7/31/97	10/29/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8151 (UG/L)									
DALAPON	2.60 U	U	U	2.30 U	U	U	2.50 U	UJ	*4
DICAMBA	0.1000 U	U	U	0.0900 U	U	U	0.1000 U	U	U
MCP	100 U	U	U	94.0 U	U	U	100 U	UJ	C
MCPA	100 U	U	U	93.0 U	U	U	100 U	UJ	C
DICHLOROPROP	1.00 U	U	U	0.9400 U	U	U	1.00 U	U	U
2,4-D (DICHLOROPHENOX)YAC	1.00 U	U	U	0.9400 U	U	U	1.00 U	U	U
SIL VEX (2,4,5-TP)	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
2,4,5-T (TRICHLOROPHENOX)YAC	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
DINOSEB	1.10 U	U	U	0.9800 U	U	U	1.00 U	UJ	C
2,4 DB	1.00 U	U	U	0.9500 U	U	U	1.00 U	U	U
PENTACHLOROPHENOL	0.2700 U	U	U	0.2400 U	U	U	0.2600 U	U	U
PICLORAM	0.3100 U	U	U	0.2800 U	U	U	0.3000 U	UJ	*4,C
3,5-DICHLORO	1.00 U	U	U	0.9400 U	U	U	1.00 U	U	U
BENZOIC ACID	1.10 U	U	U	1.00 U	U	U	0.8100 U	UJ	*4
CHLORAM	2.20 U	U	U	2.00 U	U	U	2.20 U	U	U
BENTAZON	1.10 U	U	U	1.00 U	U	U	0.8100 U	UJ	C
ACIFLUORFEN									
OL21P (UG/L)									
ALPHA BHC (ALPHA HEXACHLO	0.0100 U	U	U	0.0100 B	UJ	B	0.0100 U	U	U
BETA BHC (BETA HEXACHLO	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
DELTA BHC (DELTA HEXACHLO	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
GAMMA BHC (LINDANE)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
HEPTACHLOR	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
ALDRIN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
HEPTACHLOR EPOXIDE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
ALPHA ENDOSULFAN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
OGDEN ID	S17DAE	S28DCE	S29DAE	W09SSA	W09SSD				
Date Sampled	8/12/97	7/28/97	7/31/97	10/29/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OL21P (UG/L) Continued									
DIELDRIN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDE (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDRIN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
BETA ENDOSULFAN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDD (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDOSULFAN SULFATE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDT (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
METHOXYCHLOR	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
ENDRIN KETONE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDRIN ALDEHYDE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ALPHA-CHLORDANE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
GAMMA-CHLORDANE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
TOXAPHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
PCB-1016 (AROCHLOR 1016)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1221 (AROCHLOR 1221)	0.4000 U	U	U	0.4000 U	U	U	0.4200 U	U	U
PCB-1232 (AROCHLOR 1232)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1242 (AROCHLOR 1242)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1248 (AROCHLOR 1248)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1254 (AROCHLOR 1254)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1260 (AROCHLOR 1260)	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	W09SSE	W18DDA	W21SSA	W21SSE	W23DDA					
OGDEN ID	W09SSE	W18DDA	W21SSA	W21SSE	W23DDA					
Date Sampled	10/29/97	10/22/97	10/24/97	10/23/97	10/28/97					
Depth										
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8151 (UG/L)										
DALAPON	2.30 U	U	UJ	2.30 U	U	UJ	2.30 U	U	UJ	*4
DICAMBA	0.0900 U	U	U	0.1000 U	U	U	0.1000 U	U	U	
MCP	94.0 U	U	UJ	97.0 U	U	U	95.0 U	U	UJ	C
MCPA	93.0 U	U	UJ	96.0 U	U	U	94.0 U	U	UJ	C
DICHLOROPROP	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U	
2,4-D (DICHLOROPHENOX)YAC	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U	
SIL VEX (2,4,5-TP)	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U	
2,4,5-T (TRICHLOROPHENOX)YAC	0.1000 U	U	UJ	0.1000 U	U	U	0.1000 U	U	U	
DINOSEB	0.9800 U	U	R	1.00 U	U	U	0.9900 U	U	UJ	C
2,4 DB	0.9500 U	U	UJ	0.9800 U	U	U	0.9600 U	U	U	
PENTACHLOROPHENOL	0.2400 U	U	U	0.2500 U	U	U	0.2400 U	U	U	
PICLORAM	0.2800 U	U	R	0.2900 U	U	R	0.2800 U	U	UJ	*4,C
3,5-DICHLOROBENZOIC ACID	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U	
CHLORAMBN	0.7500 U	U	R	0.7700 U	U	R	0.7600 U	U	UJ	*4
BENTAZON	2.00 U	U	U	2.10 U	U	U	2.00 U	U	U	
ACIFLUORFEN	0.7500 U	U	R	0.7700 U	U	U	0.7600 U	U	UJ	C
OL21P (UG/L)										
ALPHA BHC (ALPHA HEXACHLORO)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
BETA BHC (BETA HEXACHLORO)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
DELTA BHC (DELTA HEXACHLORO)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
GAMMA BHC (LINDANE)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
HEPTACHLOR	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
ALDRIN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
HEPTACHLOR EPOXIDE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	
ALPHA ENDOSULFAN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	W09SSE	W18DDA	W21SSA	W21SSE	W23DDA				
OGDEN ID	W09SSE	W18DDA	W21SSA	W21SSE	W23DDA				
Date Sampled	10/29/97	10/22/97	10/24/97	10/23/97	10/28/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OL21P (UG/L) Continued									
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
	0.4000 U	U	U	0.4000 U	U	U	0.4000 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U
	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	W23DDE	W23SSA	W23SSE	W3CNRA	?				
OGDEN ID	W23DDE	W23SSA	W23SSE	W3CNRA					
Date Sampled	10/28/97	10/27/97	10/27/97	10/23/97					
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
8151 (UG/L)									
DALAPON	2.30 U	U	UJ	2.30 U	U	UJ	2.30 U	U	*4
DICAMBA	0.0900 U	U	U	0.1000 U	U	U	0.1000 U	U	U
MCPP	94.0 U	U	UJ	97.0 U	U	U	95.0 U	UJ	C
MCPA	93.0 U	U	UJ	96.0 U	U	U	94.0 U	UJ	C
DICHLOROPROP	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U
2,4-D (DICHLOROPHENOXYACE	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U
SILVEX (2,4,5-TP)	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
2,4,5-T (TRICHLOROPHENOXYAC	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	UJ	C
DINOSEB	0.9800 U	U	UJ	1.00 U	U	U	0.9900 U	R	*4
2,4 DB	0.9500 U	U	U	0.9800 U	U	U	0.9600 U	UJ	C
PENTACHLOROPHENOL	0.2400 U	U	U	0.2500 U	U	U	0.2400 U	U	U
PICLORAM	0.2800 U	U	UJ	0.2900 U	U	U	0.2800 U	R	*4
3,5-DICHLOROBENZOIC ACID	0.9400 U	U	U	0.9700 U	U	U	0.9500 U	U	U
CHLORAMBN	0.7500 U	U	UJ	0.7700 U	U	U	0.7600 U	R	*4
BENTAZON	2.00 U	U	U	2.10 U	U	U	2.00 U	U	U
ACIFLUORFEN	0.7500 U	U	UJ	0.7700 U	U	U	0.7600 U	R	*4
OL21P (UG/L)									
ALPHA BHC (ALPHA HEXACHLO	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
BETA BHC (BETA HEXACHLORO	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
DELTA BHC (DELTA HEXACHLO	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
GAMMA BHC (LINDANE)	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
HEPTACHLOR	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
ALDRIN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
HEPTACHLOR EPOXIDE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
ALPHA ENDOSULFAN	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U

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GROUP J: Water Data for Methods 8151 and OL21P

EPA NO	W23DDE	W23SSA	W23SSE	W3CNRA	?							
OGDEN ID	W23DDE	W23SSA	W23SSE	W3CNRA								
Date Sampled	10/28/97	10/27/97	10/27/97	10/23/97								
Depth												
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OL21P (UG/L) Continued												
DIELDRIN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDE (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDRIN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
BETA ENDOSULFAN	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDD (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDOSULFAN SULFATE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
DDT (1,1-BIS(CHLOROPHENYL)-	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
METHOXYCHLOR	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U	0.1000 U	U	U
ENDRIN KETONE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ENDRIN ALDEHYDE	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U	0.0200 U	U	U
ALPHA-CHLORDANE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
GAMMA-CHLORDANE	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U	0.0100 U	U	U
TOXAPHENE	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U	1.00 U	U	U
PCB-1016 (AROCHLOR 1016)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1221 (AROCHLOR 1221)	0.4000 U	U	U	0.4000 U	U	U	0.4000 U	U	U	0.4100 U	U	U
PCB-1232 (AROCHLOR 1232)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1242 (AROCHLOR 1242)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1248 (AROCHLOR 1248)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1254 (AROCHLOR 1254)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U
PCB-1260 (AROCHLOR 1260)	0.2000 U	U	U	0.2000 U	U	U	0.2000 U	U	U	0.2100 U	U	U

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DCA		ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
DCA	97				
110.00					
		0.3300			
		0.9500		J	*9
		1.40			
		0.7300			
		0.2500	U		
		0.2500	U		
		0.2500	U		
		1.20		NJ	*8,*9
		0.2500	U	U	
		0.2500	U	U	
		0.6100			
		4.40		NJ	*4,*8,
		0.2500	U	U	
		1.00			
		0.4800			
		0.5000	U	U	
		0.2500	U	U	
		38.0			

Oil and Energy Services

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GROUP K: Water Data for Method 8330

EPA NO	G01DDA	G01DEA	G01DED	G01DGA	G01DHA
OGDEN ID	G01DDA	G01DEA	G01DED	G01DGA	G01DHA
Date Sampled	8/26/97	8/26/97	8/26/97	8/27/97	8/27/97
Depth	20.00				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U	U	0.2500 U	U
1,3-DINITROBENZENE	0.4400	U	U	0.2500 U	U
TETRYL	0.2500 U	U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PICRIC ACID	3.00	J	*4,*9	2.10	*4,*9
2-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-NITROTOLUENE	0.6100	U	U	0.7100	*8,*9
3-NITROTOLUENE	0.5100	U	U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PENTAERYTHRITOL, TETRANITR	27.0	NJ	*8,*9	21.0	*9

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GROUP K: Water Data for Method 8330

EPA NO	G01DIA	G01DJA	G01DKA	G01DLA	G01DNA								
OGDEN ID	G01DIA	G01DJA	G01DKA	G01DLA	G01DNA								
Date Sampled	8/28/97	8/29/97	9/2/97	9/2/97	9/4/97								
Depth													
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	QUAL CODE	LAB QUAL	REV QUAL	ANALYTICAL RESULT	QUAL CODE	LAB QUAL	REV QUAL	ANALYTICAL RESULT	QUAL CODE
8330 (UG/L)													
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	3.50			2.00	H	UJ		0.9300		0.2500 U	U	0.2500 U	U
1,3-DINITROBENZENE	0.6900			1.10	H	UJ		0.6100		0.2500 U	U	0.2500 U	U
TETRYL	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U		0.2500 U	H	UJ	U	0.4600		0.2500 U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U	U	0.2500 U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.6100	*8,*9	0.4200	NJ	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	*4	0.2500 U	H	UJ	U	0.2500 U	*4,*9	0.2500 U	U	0.2500 U	U
PICRIC ACID	3.00	J		0.3300	H,*4,*9	J	J	5.70		2.20	J	4.60	*4,*9
2-NITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.3900		0.5600		0.2500 U	U
4-NITROTOLUENE	1.20			0.2500 U	H	UJ		2.20		1.10		0.2500 U	U
3-NITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ		1.80		1.80		0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U		0.5000 U	H	UJ	U	0.5000 U		0.5000 U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U		0.2500 U	H	UJ	U	0.2500 U		0.2500 U	U	0.2500 U	U
PENTAERYTHRITOL TETRANITR	56.0	NJ	*8,*9	20.0	H,*8,*9	NJ	U	10.0 U		10.0 U	U	29.0	*8,*9

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EPA NO	G01DNE	G01DOA	G01DOE	G01DPA	G01DPD
OGDEN ID	G01DNE	G01DOA	G01DOE	G01DPA	G01DPD
Date Sampled	9/4/97	9/8/97	9/8/97	9/9/97	9/9/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U	U	0.3000	0.3000
1,3-DINITROBENZENE	0.2500 U	U	U	0.3400	0.3600
TETRYL	0.2500 U	U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PICRIC ACID	0.2500 U	U	U	0.4800	0.3300
2-NITROTOLUENE	0.2500 U	U	U	0.4000	0.3800
4-NITROTOLUENE	0.2500 U	U	U	0.4000	0.3900
3-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PENTAERYTHRITOL TETRANITR	10.0 U	U	U	10.0 U	10.0 U

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GROUP K: Water Data for Method 8330

EPA NO	G01DQA	G01DRA	G02DMA	G02DNA	G02DOA
OGDEN ID	G01DQA	G01DRA	G02DMA	G02DNA	G02DOA
Date Sampled	9/9/97	9/9/97	10/21/97	10/21/97	10/21/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U	U	0.2500 U	U
1,3-DINITROBENZENE	0.2500 U	U	U	0.2500 U	U
TETRYL	0.2500 U	U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PICRIC ACID	0.3300	J	C, *4	0.2500 U	*4
2-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
3-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PENTAERYTHRITOL TETRANITR	10.0 U	U	U	10.0 U	U

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GROUP K: Water Data for Method 8330

EPA NO	G02DPA	G02DQA	G02DRA	G02DSA	G02DTA
OGDEN ID	G02DPA	G02DQA	G02DRA	G02DSA	G02DTA
Date Sampled	10/21/97	10/22/97	10/22/97	10/22/97	10/22/97
Depth					
Method					
Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
	REV QUAL	REV QUAL	REV QUAL	REV QUAL	REV QUAL
	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL	LAB QUAL
	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE	QUAL CODE
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
1,3,5-TRINITROBENZENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
1,3-DINITROBENZENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
TETRYL	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
NITROBENZENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2,4,6-TRINITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2,4-DINITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
PICRIC ACID	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2-NITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
4-NITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
3-NITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	0.5000 U	0.5000 U	0.5000 U	0.5000 U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	0.2500 U	0.2500 U	0.2500 U	0.2500 U
PENTAERYTHRITOL TETRANITR	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

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GROUP K: Water Data for Method 8330

EPa NO	G02DUA	G02DVA	G15DAA	G15DAE	G15DBA
OGDEN ID	G02DUA	G02DVA	G15DAA	G15DAE	G15DBA
Date Sampled	10/23/97	10/23/97	9/2/97	9/2/97	9/3/97
Depth			0.00		1.50
Method Analyte	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT	ANALYTICAL RESULT
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
1,3,5-TRINITROBENZENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.8100
1,3-DINITROBENZENE	0.2500 U	0.2500 U	2.20	0.2500 U	1.90
TETRYL	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
NITROBENZENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.5500
2,4,6-TRINITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
2,6-DINITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
2,4-DINITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.2500 U
PICRIC ACID	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.3300
2-NITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	J
4-NITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	*4
3-NITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.8400
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	0.5000 U	1.30 U	0.5000 U	0.6500
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	0.2500 U	0.6600 U	0.2500 U	0.5000 U
PENTAERYTHRITOL TETRANITR	10.0 U	10.0 U	26.0 U	10.0 U	0.2500 U

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Validated MMR Data for SDGs 1-17, 28-30
GROUP K: Water Data for Method 8330

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EPA NO	G15DBE	G15DCA	G15DDA	G15DEA	G15DFA
OGDEN ID	G15DBE	G15DCA	G15DDA	G15DEA	G15DFA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/4/97
Depth	10.00	10.00	20.00		
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U	U	0.2500 U	U
1,3-DINITROBENZENE	0.2500 U	U	NJ	0.2500 U	U
TETRYL	0.2500 U	U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PICRIC ACID	0.2500 U	U	J	0.2500 U	U
2-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
3-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PENTAERYTHRITOL TETRANITR	10.0 U	U	U	10.0 U	U

GROUP K: Water Data for Method 8330

EPA NO	G15DGA	G15DHA	G15DJA	G15DKA	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OGDEN ID	G15DGA	G15DHA	G15DJA	G15DKA												
Date Sampled	9/4/97	9/4/97	9/4/97	9/4/97												
Depth																
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)																
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
1,3,5-TRINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
1,3-DINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
TETRYL	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
NITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,4,6-TRINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,4-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
PICRIC ACID	0.2500 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4
2-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
4-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
3-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U		0.5000 U	U	U		0.5000 U	U	U		0.5000 U	U	U	
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
PENTAERYTHRITOL TETRANITR	10.0 U	U	UJ	C	10.0 U	UJ	UJ	C	10.0 U	UJ	UJ	C	10.0 U	UJ	UJ	C

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T:\MMR\VS\SNAP9\FB\VCOC.DB (1434 records) 02/08/98 13:04:3

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GROUP K: Water Data for Method 8330

Method	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)																				
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
1,3,5-TRINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
1,3-DINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
TETRAVL	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
NITROBENZENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,4,6-TRINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,4-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
PICRIC ACID	0.2500 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4	1.70 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4	0.2500 U	UJ	UJ	*4
2-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
4-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
3-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U		0.5000 U	U	U		3.30 U	U	U		0.5000 U	U	U		0.5000 U	U	U	
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U		1.70 U	U	U		0.2500 U	U	U		0.2500 U	U	U	
PENTAERYTHRITOL TETRANITR	10.0 U	U	U		10.0 U	U	U		67.0 U	U	U		10.0 U	U	U		10.0 U	U	U	

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GROUP K: Water Data for Method 8330

EPA NO	G15DQA	G15DRA	G15DSA	G15DTA	G15DUA			
OGDEN ID	G15DQA	G15DRA	G15DSA	G15DTA	G15DUA			
Date Sampled	9/5/97	9/10/97	9/10/97	9/10/97	9/10/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)								
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U		U		0.2500 U		U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U		U		0.2500 U		U	
1,3,5-TRINITROBENZENE	0.2500 U		U		0.2500 U		U	
1,3-DINITROBENZENE	0.2500 U		U		0.4700		U	
TETRYL	0.2500 U		U		0.2500 U		U	
NITROBENZENE	0.2500 U		U		0.2500 U		U	
2,4,6-TRINITROTOLUENE	0.2500 U		U		0.2500 U		U	
4-AMINO-2,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2-AMINO-4,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,4-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
PICRIC ACID	0.2500 U		U	*4	0.7700		J	C,*4,*9
2-NITROTOLUENE	0.2500 U		U		0.3900		U	
4-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
3-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U		U		0.5000 U		U	
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
PENTAERYTHRITOL TETRANITR	10.0 U		U		10.0 U		U	

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GROUP K: Water Data for Method 8330

EPA NO	G15DVA	G15DVD	G15DWA	G15DXA	G17DEA			
OGDEN ID	G15DVA	G15DVD	G15DWA	G15DXA	G17DEA			
Date Sampled	9/11/97	9/11/97	9/11/97	9/12/97	8/14/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)								
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U		0.2500 U	U	U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U		0.2500 U	U	U	
1,3,5-TRINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U	
1,3-DINITROBENZENE	0.2500 U	U	U		0.2500 U	U	U	
TETRYL	0.2500 U	U	U		0.2500 U	U	U	
NITROBENZENE	0.2500 U	U	U		0.2500 U	U	U	
2,4,6-TRINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
2,4-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
PICRIC ACID	0.2500 U	R	R	*4	0.2500 U	R	R	*4
2-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
4-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
3-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U		0.5000 U	U	U	*9
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	U	
PENTAERYTHRITOL TETRANITR	10.0 U	UJ	UJ	C	10.0 U	UJ	UJ	*9

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GROUP K: Water Data for Method 8330

EPA NO	G18DAA	G18DDA	G18DEA	G18DFA	G18DGA			
OGDEN ID	G18DAA	G18DDA	G18DEA	G18DFA	G18DGA			
Date Sampled	9/2/97	9/3/97	9/3/97	9/3/97	9/3/97			
Depth	0.00	20.00						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)								
	OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U		0.2500 U	U	
	HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U		0.2500 U	U	
	1,3,5-TRINITROBENZENE	0.2500 U	U	U		0.2500 U	U	
	1,3-DINITROBENZENE	0.2500 U	U	U		0.2500 U	U	
	TETRYL	0.2500 U	U	U		0.2500 U	U	
	NITROBENZENE	0.4200	J	S		0.2500 U	U	
	2,4,6-TRINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	2,6-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	2,4-DINITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	PICRIC ACID	1.50	J	*4,S		0.2500 U	UJ	*4
	2-NITROTOLUENE	0.2500 U	U	U		0.2500 U	U	
	4-NITROTOLUENE	1.40	J	S		0.2500 U	U	
	3-NITROTOLUENE	0.5200	J	S		0.2500 U	U	
	2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U		0.5000 U	U	
	2,4-DIAMINO-6-NITORTOLUENE	0.2500 U	U	U		0.2500 U	U	
	PENTAERYTHRITOL TETRANITR	10.0 U	U	U		10.0 U	U	

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GROUP K: Water Data for Method 8330

EPA NO	G18DHA	G18DIA	G18DJA	G18DKA	G18DLA
OGDEN ID	G18DHA	G18DIA	G18DJA	G18DKA	G18DLA
Date Sampled	9/3/97	9/3/97	9/3/97	9/3/97	9/3/97
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U		U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U		U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U		U	0.2500 U	U
1,3-DINITROBENZENE	0.2500 U		U	0.2500 U	U
TETRYL	0.2500 U		U	0.2500 U	U
NITROBENZENE	0.2500 U		U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U		U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U		U	0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U		U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U		U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U		U	0.2500 U	U
PICRIC ACID	0.2500 U	*4	UJ	0.2500 U	UJ *4
2-NITROTOLUENE	0.2500 U		U	0.2500 U	U
4-NITROTOLUENE	0.2500 U		U	0.2500 U	U
3-NITROTOLUENE	0.2500 U		U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U		U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U		U	0.2500 U	U
PENTAERYTHRITOL TETRANITR	10.0 U		U	10.0 U	U

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GROUP K: Water Data for Method 8330

EPA NO	G18DMA	G18DNA	G18DOA	G18DPA	G18DQA				
OGDEN ID	G18DMA	G18DNA	G18DOA	G18DPA	G18DQA				
Date Sampled	9/3/97	9/4/97	9/4/97	9/4/97	9/4/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330 (UG/L)									
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U		U			U	0.2500 U		U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U		U			U	0.2500 U		U
1,3,5-TRINITROBENZENE	0.2500 U		U			U	0.2500 U		U
1,3-DINITROBENZENE	0.2500 U		U			U	0.2500 U		U
TETRYL	0.2500 U		U			U	0.2500 U		U
NITROBENZENE	0.2500 U		U			U	0.2500 U		U
2,4,6-TRINITROTOLUENE	0.2500 U		U			U	0.2500 U		U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U		U			U	0.2500 U		U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U		U			U	0.2500 U		U
2,6-DINITROTOLUENE	0.2500 U		U			U	0.2500 U		U
2,4-DINITROTOLUENE	0.2500 U		U			U	0.2500 U		U
PICRIC ACID	0.2500 U		UJ			UJ	0.2500 U		UJ
2-NITROTOLUENE	0.2500 U		U			U	0.2500 U		U
4-NITROTOLUENE	0.2500 U		U			U	0.2500 U		U
3-NITROTOLUENE	0.2500 U		U			U	0.2500 U		U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U		U			U	0.5000 U		U
2,4-DIAMINO-6-NITORTOLUENE	0.2500 U		U			U	0.2500 U		U
PENTAERYTHRITOL TETRANITR	10.0 U		UJ C			U	10.0 U		U

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Validated MMR Data for SDGs 1-17, 28-30

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GROUP K: Water Data for Method 8330

EPA NO	G18DRA	G18DSA	G18DTA	G18DUA	G18DVA
OGDEN ID	G18DRA	G18DSA	G18DTA	G18DUA	G18DVA
Date Sampled	9/4/97	9/4/97	9/4/97	9/5/97	9/5/97
Depth					
Method Analyte	ANALYTICAL RESULT	REV QUAL CODE	LAB QUAL CODE	ANALYTICAL RESULT	REV QUAL CODE
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U		0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U		0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U		0.2500 U	U
1,3-DINITROBENZENE	0.2500 U	U		0.2500 U	U
TETRYL	0.2500 U	U		0.2500 U	U
NITROBENZENE	0.2500 U	U		0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U		0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	U
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U		0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U		0.2500 U	U
PICRIC ACID	0.2500 U	UJ	*4	0.2500 U	UJ
2-NITROTOLUENE	0.2500 U	U		0.2500 U	U
4-NITROTOLUENE	0.2500 U	U		0.2500 U	U
3-NITROTOLUENE	0.2500 U	U		0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U		0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U		0.2500 U	U
PENTAERYTHRITOL TETRANITR	10.0 U	U		10.0 U	U

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GROUP K: Water Data for Method 8330

EPA NO	G18DWA	G18DXA	G21DAA	G21DBA	G30DAA
OGDEN ID	G18DWA	G18DXA	G21DAA	G21DBA	G30DAA
Date Sampled	9/5/97	9/8/97	9/12/97	9/12/97	10/28/97
Depth			0.00	1.50	0.00
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U	U	0.2500 U	U
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U	U	0.2500 U	U
1,3,5-TRINITROBENZENE	0.2500 U	U	U	0.7500	2.10 J S
1,3-DINITROBENZENE	0.2500 U	U	U	0.3800	1.20 J S
TETRYL	0.2500 U	U	U	0.2500 U	U
NITROBENZENE	0.2500 U	U	U	0.2500 U	U
2,4,6-TRINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	1.10 J S
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,4-DINITROTOLUENE	0.2500 U	U	U	0.2500 U	U
PICRIC ACID	0.2500 U	UJ	R	0.2500 U	1.30 J S
2-NITROTOLUENE	0.2500 U	U	U	0.2500 U	0.3700 J S
4-NITROTOLUENE	0.2500 U	U	U	0.2500 U	0.8000 J S
3-NITROTOLUENE	0.2500 U	U	U	0.2500 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U	U	0.5000 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U	U	0.2500 U	0.3600 J S
PENTAERYTHRITOL TETRANITR	10.0 U	U	UJ	10.0 U	UJ C

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GROUP K: Water Data for Method 8330

EPA NO	R204	W09SSA	W09SSD	W09SSE	W18DDA			
OGDEN ID	R204	W09SSA	W09SSD	W09SSE	W18DDA			
Date Sampled	9/5/97	10/29/97	10/29/97	10/29/97	10/22/97			
Depth								
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330 (UG/L)								
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U		U		0.2500 U		U	
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U		U		0.2500 U		U	
1,3,5-TRINITROBENZENE	0.2500 U		U		0.2500 U		U	
1,3-DINITROBENZENE	0.2500 U		U		0.2500 U		U	
TETRYL	0.2500 U		U		0.2500 U		U	
NITROBENZENE	0.2500 U		U		0.2500 U		U	
2,4,6-TRINITROTOLUENE	0.2500 U		U		0.2500 U		U	
4-AMINO-2,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2-AMINO-4,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,6-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,4-DINITROTOLUENE	0.2500 U		U		0.2500 U		U	
PICRIC ACID	0.2500 U		UJ	*4	0.2500 U		U	*4
2-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
4-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
3-NITROTOLUENE	0.2500 U		U		0.2500 U		U	
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U		U		0.5000 U		U	
2,4-DIAMINO-6-NITORTOLUENE	0.2500 U		U		0.2500 U		U	
PENTAERYTHRITOL TETRANITR	10.0 U		UJ	C	10.0 U		U	

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GROUP K: Water Data for Method 8330

EPA NO	W21SSA	W21SSE	W23DDA	W23DDE	W23SSA				
OGDEN ID	W21SSA	W21SSE	W23DDA	W23DDE	W23SSA				
Date Sampled	10/24/97	10/23/97	10/28/97	10/28/97	10/27/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330 (UG/L)	OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	U				0.2500 U	U	
	HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	U				0.2500 U	U	
	1,3,5-TRINITROBENZENE	0.2500 U	U				0.2500 U	U	
	1,3-DINITROBENZENE	0.2500 U	U				0.2500 U	U	
	TETRYL	0.2500 U	U				0.2500 U	U	
	NITROBENZENE	0.2500 U	U				0.2500 U	U	
	2,4,6-TRINITROTOLUENE	0.2500 U	U				0.2500 U	U	
	4-AMINO-2,6-DINITROTOLUENE	0.2500 U	U				0.2500 U	U	
	2-AMINO-4,6-DINITROTOLUENE	0.2500 U	U				0.2500 U	U	
	2,6-DINITROTOLUENE	0.2500 U	U				0.2500 U	U	
	2,4-DINITROTOLUENE	0.2500 U	U				0.2500 U	U	
	PICRIC ACID	0.2500 U	U	*4			0.2500 U	UJ	*4
	2-NITROTOLUENE	0.2500 U	U				0.2500 U	U	
	4-NITROTOLUENE	0.2500 U	U				0.2500 U	U	
	3-NITROTOLUENE	0.2500 U	U				0.2500 U	U	
	2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	U				0.5000 U	U	
	2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	U				0.2500 U	U	
	PENTAERYTHRITOL TETRANITR	10.0 U	U				10.0 U	UJ	C

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Ogden Environmental and Energy Services

Technical Inform

EPA NO	W23SSE	WSCNRA	?	?	?
OGDEN ID	W23SSE	WSCNRA			
Date Sampled	10/27/97				
Depth					
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330 (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANITR	0.2500 U	0.2500 U	U		
HEXAHYDRO-1,3,5-TRINITRO-1,3	0.2500 U	0.2500 U	U		
1,3,5-TRINITROBENZENE	0.2500 U	0.2500 U	U		
1,3-DINITROBENZENE	0.2500 U	0.2500 U	U		
TETRYL	0.2500 U	0.2500 U	U		
NITROBENZENE	0.2500 U	0.2500 U	U		
2,4,6-TRINITROTOLUENE	0.2500 U	0.2500 U	U		
4-AMINO-2,6-DINITROTOLUENE	0.2500 U	0.2500 U	U		
2-AMINO-4,6-DINITROTOLUENE	0.2500 U	0.2500 U	U		
2,6-DINITROTOLUENE	0.2500 U	0.2500 U	U		
2,4-DINITROTOLUENE	0.2500 U	0.2500 U	U		
PICRIC ACID	0.2500 U	0.2500 U	UJ		
2-NITROTOLUENE	0.2500 U	0.2500 U	U		
4-NITROTOLUENE	0.2500 U	0.2500 U	U		
3-NITROTOLUENE	0.2500 U	0.2500 U	U		
2,6-DIAMINO-4-NITROTOLUENE	0.5000 U	0.5000 U	U		
2,4-DIAMINO-6-NITROTOLUENE	0.2500 U	0.2500 U	U		
PENTAERYTHRITOL TETRANITR	10.0 U	10.0 U	U		

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Group L: Soil Data for Method 8330N

EPA NO	B03HAA	B03IAA	B03OAA	B03OAD	BOPAAA				
OGDEN ID	B03HAA	B03IAA	B03OAA	B03OAD	BOPAAA				
Date Sampled	10/28/97	10/28/97	10/28/97	10/28/97	10/29/97				
Depth									
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
8330N (UG/KG)									
OCTAHYDRO-1,3,5,7-TETRANIT	120.00 U		U				120.00 U		U
HEXAHYDRO-1,3,5-TRINITRO-1,	120.00 U		U				120.00 U		U
1,3,5-TRINITROBENZENE	120.00 U		U				120.00 U		U
1,3-DINITROBENZENE	120.00 U		U				120.00 U		U
TETRYL	120.00 U		U				120.00 U		U
NITROBENZENE	120.00 U		U				120.00 U		U
2,4,6-TRINITROTOLUENE	120.00 U		U				120.00 U		U
4-AMINO-2,6-DINITROTOLUENE	120.00 U		U				120.00 U		U
2-AMINO-4,6-DINITROTOLUENE	120.00 U		U				120.00 U		U
2,6-DINITROTOLUENE	120.00 U		U				120.00 U		U
2,4-DINITROTOLUENE	120.00 U		U				120.00 U		U
PICRIC ACID	120.00 U		U				120.00 U		U
2-NITROTOLUENE	120.00 U		U				120.00 U		U
4-NITROTOLUENE	120.00 U		U				120.00 U		U
3-NITROTOLUENE	120.00 U		U				120.00 U		U
2,6-DIAMINO-4-NITROTOLUENE	250.00 U		U				250.00 U		U
2,4-DIAMINO-6-NITORTOLUENE	120.00 U		U				120.00 U		U
PENTAERYTHRITOL TETRANIT	5000.00 U		UJ C				5000.00 U		UJ C
NITROGLYCERIN	2500.00 U		U				2500.00 U		U

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Group L: Soil Paper for Method 8330N

EPA NO	BOPBAA	?	?	?
OGDEN ID	BOPBAA			
Date Sampled	10/29/97			
Depth				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330N (UG/KG)				
OCTAHYDRO-1,3,5,7-TETRANTHRENE	120.00 U	U		
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRINITROBENZENE	120.00 U	U		
1,3-DINITROBENZENE	120.00 U	U		
TETRYL	120.00 U	U		
NITROBENZENE	120.00 U	U		
2,4,6-TRINITROTOLUENE	120.00 U	U		
4-AMINO-2,6-DINITROTOLUENE	120.00 U	U		
2-AMINO-4,6-DINITROTOLUENE	120.00 U	U		
2,6-DINITROTOLUENE	120.00 U	U		
2,4-DINITROTOLUENE	120.00 U	U		
PICRIC ACID	120.00 U	U		
2-NITROTOLUENE	120.00 U	U		
4-NITROTOLUENE	120.00 U	U		
3-NITROTOLUENE	120.00 U	U		
2,6-DIAMINO-4-NITROTOLUENE	250.00 U	U		
2,4-DIAMINO-6-NITROTOLUENE	120.00 U	U		
PENTAERYTHRITOL TETRANITRATE	5000.00 U	UJ C		
NITROGLYCERIN	2500.00 U	U		

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